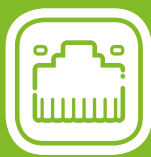


MMC

MultimediaConnect

Smart and simple cabling solutions



Copper



Fiber



Racks

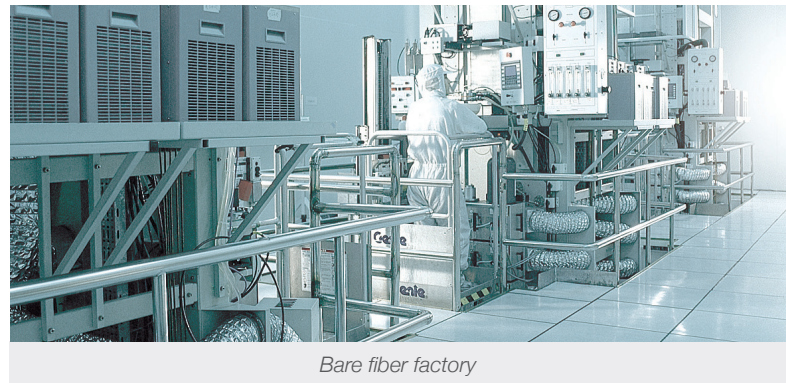
INNOVATION BACKGROUND FOR MANY YEARS

Since 1993, Multimedia Connect has been a structured cabling system manufacturer designing and producing communication solutions for intelligent buildings, that enhances IP convergence.

Quality & innovation are the directions chosen by Multimedia Connect to offer accurate cabling from Enterprise to Datacenter.



Headquarter



Bare fiber factory

Innovation

Since its creation, Multimedia Connect has always been at the forefront of product innovation. We were among the first manufacturers to certify a Category 6 connector (in 2002) and a Category 6a (ISO) connector (in 2010).

«In addition to the performance of our systems, our R&D efforts are focused on designing solutions which facilitate installers and end-users work».

Keep it simple

With Multimedia Connect, technology means simplicity. «We are pioneer in the development of tool less termination and our objective is to invent products and systems which are easy to install and easy to manage».

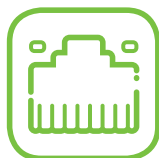
The opportunities of IP convergence

The development of IP (Internet Protocol) in applications such as CCTV, Access Control, Public Address, Video, Audio ... means that structured cabling systems are now used in a large variety of new environments.

At Multimedia Connect, we have identified this fundamental trend of our industry and we are developing specific products and systems which facilitate the convergence between cabling infrastructures and these new IP applications.



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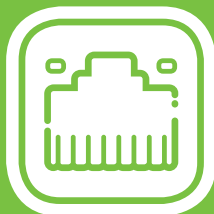


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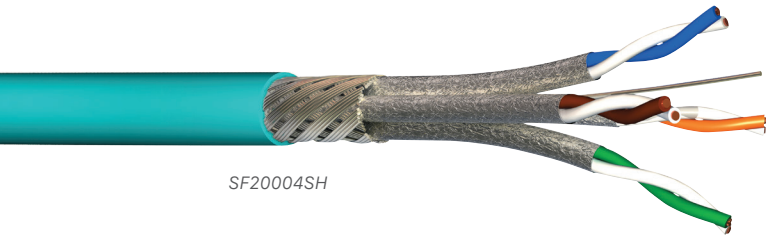


COPPER SYSTEM

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CATEGORY 8 S/FTP SOLID CORE CABLE



SF20004SH

Benefits

- Performances up to 2000MHz
- Rate up to 40Gbps ideal for Data center applications
- Very high electromagnetic immunity



Applications

- DATA : ETHERNET UP TO 40G on 30m
ETHERNET UP TO 10G on 90m
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-9 CAT8.1
- SYSTEM : ISO 11801 Ed.3 Class I

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted special assembly
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	LSZH RAL6027

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	135 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	75%
	Coupling attenuation	80 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	Cca s1, d1, a1 Dca s2, d2, a2

Ordering information

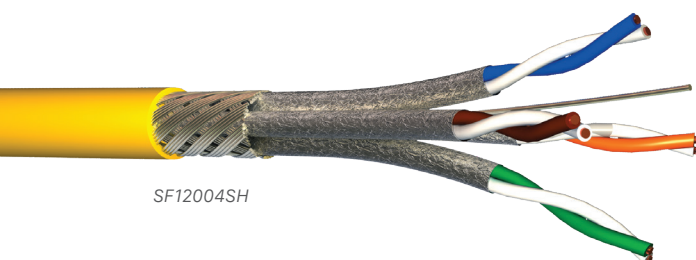
ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SF20004SH5	4	LSZH	Dca s2 d2 a2	8.1	D500
SF20004SHC5	4	LSZH	Cca s1 d1 a1	8.1	D500

* the external diameter is submit to a tolerance of +/-0.2mm

COPPER

CATEGORY 8 SOLID CORE CABLE

CATEGORY 7A S/FTP SOLID CORE CABLE



SF12004SH



Benefits

- Performances up to 1200MHz for SF1200xSH
- Very high electromagnetic immunity
- Available in high CPR level (up to B2ca)
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT7A
- SYSTEM : ISO 11801 ED2.2 Class Fa
EN 50173-1: 2011 Class Fa

Characteristics

CONDUCTOR	2 x 4 AWG22 Solid Copper (SF1200xSH) 2 x 4 AWG23 Solid Copper (SF1000xSH)
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	Yellow LSZH RAL 1021,

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	75 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	80 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	B2ca s1a, d1, a1 Cca s1, d1, a1 Dca s2, d2, a2
	SF1200xSH fire rating SF1000xSH fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SF1200xSHy	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	8.2 for 4p 8.2x16.8 for 2X4p	D500 : replace y by 5 D1000 : replace y by 10
SF1200xSHCy	4 : replace x by 4 8 : replace x by 8	LSZH	Cca s1 d1 a1	8.2 for 4p 8.2x16.8 for 2X4p	D500 : replace y by 5 D1000 : replace y by 10
SF1200xSHB2y	4 : replace x by 4 8 : replace x by 8	LSZH	B2ca s1a d2 a2	8.2 for 4p 8.2x16.8 for 2X4p	D500 : replace y by 5 D1000 : replace y by 10
SF1000xSH5	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	7.9 for 4p 7.9x16.1 for 2X4p	D500

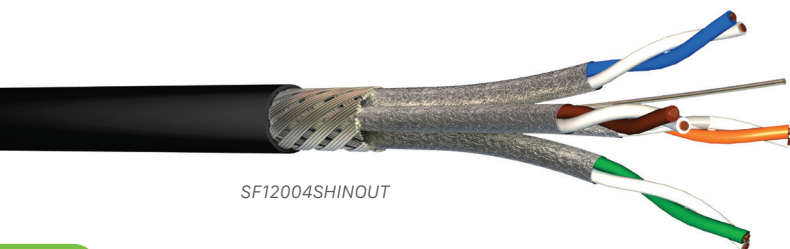
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 7A SOLID CORE CABLE

CATEGORY 7A S/FTP SOLID CORE CABLE INDOOR / OUTDOOR



SF12004SHINOUT

Benefits

- Performances up to 1200MHz
- Resistant to water and UV, suitable for indoor and outdoor applications
- Very high electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT7a
- SYSTEM : ISO 11801 ED2.2 Class Fa
EN 50173-3: 2011 Class Fa

Characteristics

CONDUCTOR	2 x 4 AWG22 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil, overall tinned copper braid and drain wire
SHEATH	BLACK LSZH RAL 9005

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	75 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	80 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR Level	Dca s2 d2 a2
	Fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SF12004SHINOUT	4	LSZH	Dca s2 d2 a2	8.2	D1000

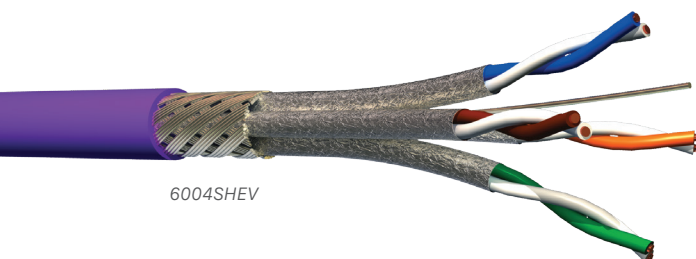
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 7A SOLID CORE CABLE

CATEGORY 7 S/FTP SOLID CORE CABLE



Benefits

- Exceeds standard specifications
- Very high electromagnetic immunity
- Available in high CPR level (up to B2ca)
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT7
- SYSTEM : ISO 11801 ED2.2 Class F
EN 50173-1: 2011 Class F

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	Violet LSZH RAL 4001

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	70 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	80 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	B2ca s1a d1 a1 Cca s1 d1 a1 Dca s2 d2 a2

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)	PACKAGING (m)
600xySHEV	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	7.6 for 4p 7.6x16 for 2X4p	D500 : replace y by 5 D1000 : remove y letter
600xSHCy	4 : replace x by 4 8 : replace x by 8	LSZH	Cca s1 d1 a1	7.6 for 4p 7.6x16 for 2X4p	D500 : replace y by 5 D1000 : replace y by 10
600xSHB2y	4 : replace x by 4 8 : replace x by 8	LSZH	B2ca s1 d1 a1	7.6 for 4p 7.6x16 for 2X4p	D500

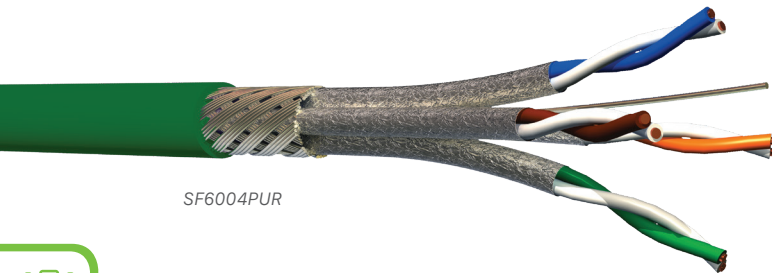
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 7 SOLID CORE CABLE

CATEGORY 7 S/FTP SOLID CORE CABLE HARSH ENVIRONMENT



SF6004PUR

Benefits

- Mechanically and electrically adapted to harsh environments : hydrocarbures, oil and microbe resistance
- Very high EMC thanks to a high braiding coverage
- Flame retardant
- Adapted for industrial link as Profinet standard



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G , industrial network (profinet...)
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : EC 61156-5 CAT7
- SYSTEM : ISO 11801 ED2.2 Class F
EN 50173-3: 2011 Class F

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil, overall tinned copper braid and drain wire
SHEATH	Green PUR RAL 6017

Properties

MECHANICAL	Bending Radius	8 x cable diameter	
	Linear resistance	74.5 Ω/km	
	ELECTRICAL	Characteristic impedance	100 Ω
		Nominal velocity propagation	77%
ENVIRONMENTAL	Coupling attenuation	80 dB	
	Operating temperature	-40°C to +80°C	
	Fire rating	IEC 60332-1	
	CPR level	Eca	
	Chemical resistance	Oil & kerosene UV & ozone Microbes and mud	

Ordering information

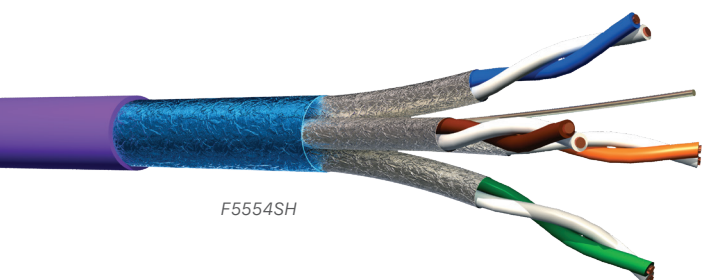
ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SF6004PUR	4	PUR	Eca	7.5	D1000

* the external diameter is submit to a tolerance of +/-0.2mm

COPPER

CATEGORY 7 SOLID CORE CABLE

CATEGORY 6A F/FTP SOLID CORE CABLE



Benefits

- Tested up to 555 MHz
- Very high electromagnetic immunity
- Available in high CPR level (up to B2ca)

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil, overall Al / Pes Foil and drain wire
SHEATH	Violet LSZH RAL 4001

Properties

MECHANICAL	Bending Radius	8 x cable diameter	
	Linear resistance	95 Ω/km	
	ELECTRICAL	Characteristic impedance	100 Ω
		Nominal velocity propagation	79%
ENVIRONMENTAL	Coupling attenuation	75 dB	
	Operating temperature	-20°C to +60°C	
	CPR level	B2ca s1a d1 a1 Cca s1 d1 a1 Dca s2 d2 a2	
	Fire rating	IEC 60332-1	

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
F555xSHy	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	7.4 for 4p 7.4x15.3 for 2X4p	C100 : replace y by 1 D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B
F555xSHCy	4 : replace x by 4 8 : replace x by 8	LSZH	Cca s1 d1 a1	7.4 for 4p 7.4x15.3 for 2X4p	D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B
F555xSHB2y	4 : replace x by 4 8 : replace x by 8	LSZH	B2ca s1a d1 a1	7.4 for 4p 7.4x15.3 for 2X4p	D500 : replace y by 5

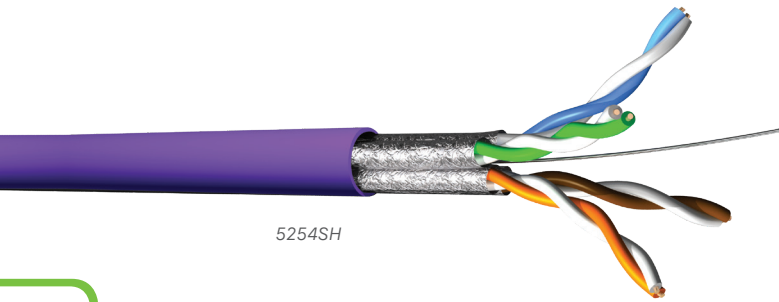
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A U/FTP SOLID CORE CABLE



Benefits

- Tested up to 525 Mhz
- Electromagnetic immunity
- Available in high CPR level (up to B2ca)
- Available in 3 x 4 and 4 x 4 versions



Applications

- VOICE :ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Violet LSZH RAL 4001

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	70 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	B2ca s1a d1 a1 Cca s1 d1 a1 Dca s2 d2 a2
	Fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)	PACKAGING (m)
525xSHy	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	7.3 for 4p 7.3x15.2 for 2X4p	C100: replace y by 1 D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B
525xSHCy	4 : replace x by 4 8 : replace x by 8	LSZH	Cca s1 d1 a1	7.3 for 4p 7.3x15.2 for 2X4p	D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B
525xSHB2y	4 : replace x by 4 8 : replace x by 8	LSZH	B2ca s1 d1 a1	7.3 for 4p 7.3x15.2 for 2X4p	D500

* the external diameter is submit to a tolerance of +/-0.2mm

COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A U/FTP AWG26 SOLID CORE CABLE



P12525A26SH



Benefits

- Dedicated to datacenter applications
- Tested up to 525 Mhz
- Great space saving , thanks to his small diameter
- Flame retardant
- Available in 6 x 4 and 12 x 4 versions

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G

Standards

- CABLE : IEC 61156-5 CAT6A up to 60 meters
- SYSTEM : ISO 11801 ED2.2 Class Ea up to 60 meters
EIA/TIA 568-C.2 CAT6A up to 60 meters
EN 50173-1: 2011 Class Ea up to 60 meters

Characteristics

CONDUCTOR	2 x 4 AWG26 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Grey LSZH RAL 7035 (P6/12 525A26SH,Violet RAL 4001)

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	135 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	70 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

Ordering information

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
525A26SH	4	U/FTP	LSZH	5.7	D1000
P12525A26SH	12 x 4	U/FTP	LSZH	26.6	D200

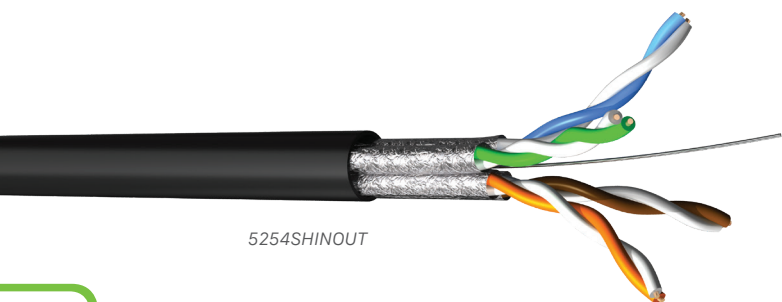
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A U/FTP SOLID CORE CABLE INDOOR / OUTDOOR



5254SHINOUT



Benefits

- Resistant to water and UV, suitable for indoor and outdoor applications
- Tested in high climatic condition
- Flame retardant
- Tested up to 525 Mhz



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173 Ed2.2 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Black LSZH with high UV grade protection

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
ELECTRICAL	Nominal velocity propagation	78%
	Coupling attenuation	65 dB
	Operating temperature	-20°C to +60°C
ENVIRONMENTAL	CPR level	Dca s2 d2 a2
	UV resistance	IEC 60068-2-5
	Ozone resistance	ASTM D-470
	Moisture resistance	CEI20-34

Ordering information

ITEM	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
5254SHINOUT	4	LSZH	Dca s2 d2 a2	7.3	D500

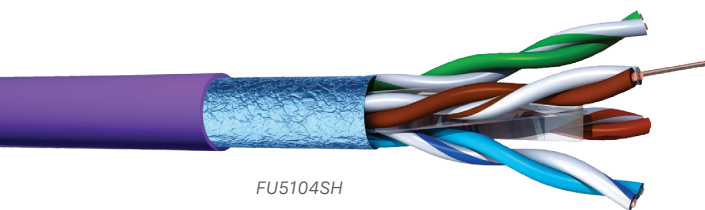
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A F/UTP SOLID CORE CABLE



FU5104SH

Benefits

- Tested up to 510 MHz
- Electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

Applications

- VOICE: ANALOG, ISDN, VOIP
- DATA: ETHERNET UP TO 10G
- REMOTE POWER: POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Violet LSZH RAL 4001

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	65 dB
	Operating temperature	-20°C to +60°C
ENVIRONMENTAL	CPR level	Dca s2 d2 a2
	Fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
FU5104SH5	4	LSZH	Dca s2 d2 a2	7.0	D500
FU5104SH10	4	LSZH	Dca s2 d2 a2	7.0	D1000
FU5108SH5	2 x 4	LSZH	Dca s2 d2 a2	7 x 14.5	D500

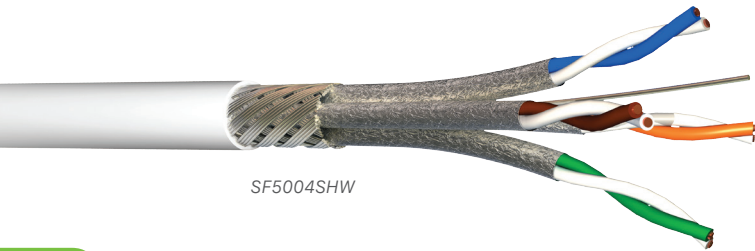
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A S/FTP SOLID CORE CABLE



SF5004SHW

Benefits

- White cable for discrete installation
- High EMC thanks a double shielding S/FTP
- Available in high CPR level (up to B2ca)
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	White LSZH RAL 9010

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	>85 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	B2ca s1a d1 a1 Cca s1 d1 a1 Dca s2 d2 a2
	Fire rating	IEC 60332-1

Ordering information

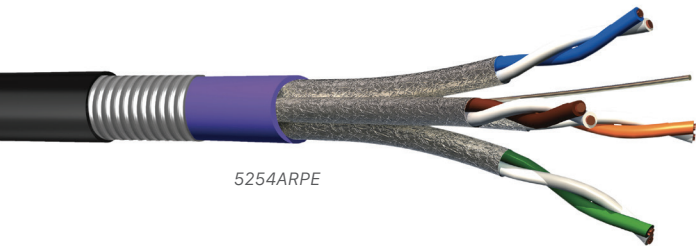
ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SF500xSHW5	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	7.6 for 4p 7.6x16 for 2X4p	D500
SF500xSHWCy	4 : replace x by 4 8 : replace x by 8	LSZH	Cca s1 d1 a1	7.6 for 4p 7.6x16 for 2X4p	D500 : replace y by 5 D1000 : replace y by 10
SF500xSHWB2y	4 : replace x by 4 8 : replace x by 8	LSZH	B2ca s1 d1 a1	7.6 for 4p 7.6x16 for 2X4p	D500 : replace y by 5

* the external diameter is submit to a tolerance of +/-0.2mm

COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A U/FTP SOLID CORE ARMoured CABLE PE



Benefits

- Tested up to 525 MHz
- Armored cable excellent rodent protection
- Direct buried installation thanks to a high crush resistance

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin-Foam-Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
ARMOR	Corrugated steel tape
SHEATH	outdoor sheat : PE black RAL 9005 internal sheath : LSZH purple RAL 4001

Properties

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	Fca

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
5254ARPE	4	PE	Fca	10.3	D500

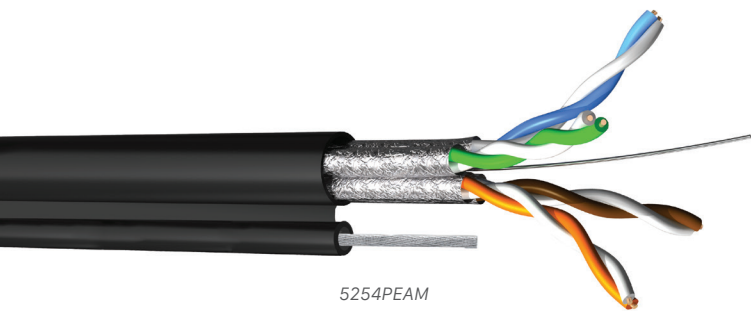
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A U/FTP SOLID CORE CABLE AERIAL PE



5254PEAM



Benefits

- Tested up to 525 MHz
- Aerial application thanks to a strong messenger
- Outdoor aerial link



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin-Foam-Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
MESSENGER	steel wires 7x0.8mm
SHEATH	PE black RAL 9005

Properties

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	Fca

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
5254PEAM	4	U/FTP	Fca	7.3	D500

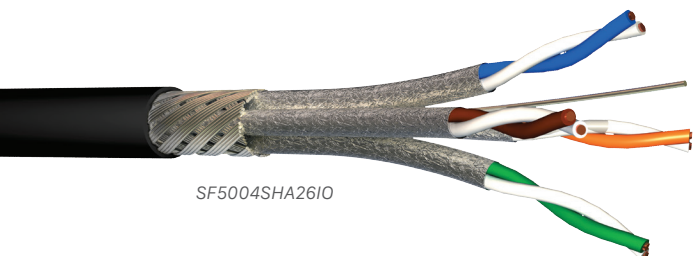
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A S/FTP AWG26 SOLID CORE CABLE INDOOR/OUTDOOR



SF5004SHA26IO

Benefits

- Saving space solution thanks to a small cable diameter : AWG26
- Flame retardant
- Resistant to water and UV, suitable for indoor and outdoor applications

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G on 60m

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea (60m)
EIA/TIA 568-C.2 CAT6A (60m)
EN 50173-1: 2011 Class Ea (60m)

Characteristics

CONDUCTOR	2 x 4 AWG26 Solid Copper
INSULATION	Skin-Foam-Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	Black LSZH RAL 9005

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	145 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	70%
	Operating temperature	-20°C to +60°C
ENVIRONMENTAL	CPR level	Dca s2 d2 a2
	Fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SF5004SHA26IO10	4	LSZH	Dca s2 d2 a2	6	D1000

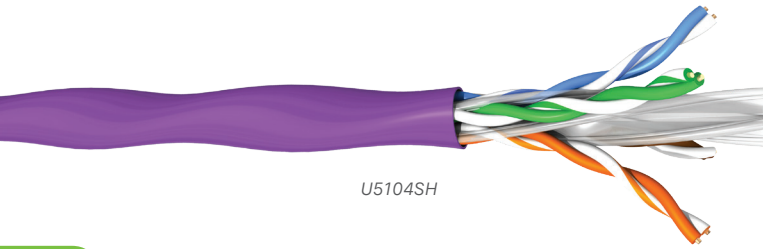
* the external diameter is submit to a tolerance of +/-0.2mm



COPPER

CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A U/UTP SOLID CORE CABLE



U5104SH

Benefits

- Tested up 510 MHz
- Component certified
- Unique design for Xtalk compensation
- Flame retardant



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP and draft 4pPOE

Standards

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a specific PE filler
SHEATH	Violet LSZH RAL 4001

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Operating temperature	-10°C to +50°C
ENVIRONMENTAL	CPR level	Dca s2 d2 a2

Ordering information

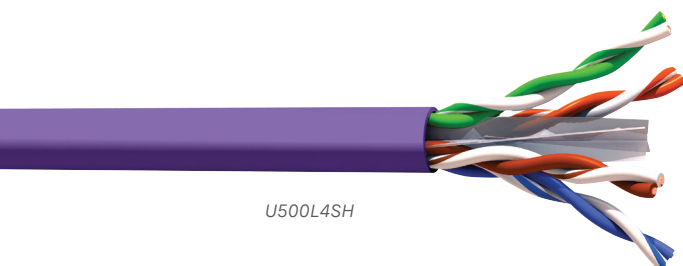
ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
U5104SHB	4	LSZH	Dca s2 d2 a2	7.8 x 9.1	B305 reel in box
U5104SH5	4	LSZH	Dca s2 d2 a2	7.8 x 9.1	D500

* the external diameter is submit to a tolerance of +/-0.2mm

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CATEGORY 6A SOLID CORE CABLE

CATEGORY 6A U/UTP SOLID CORE CABLE LINK CERTIFIED



Benefits

- Tested up to 500 MHz
- Link compliant ISO 11801 Ed2.2 Classe Ea
- Available in high CPR level (up to Cca)
- Small diameter

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP an draft 4pPOE

Standards

- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHEATH	Purple LSZH RAL 4001

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Operating temperature	-10°C to +50°C
ENVIRONMENTAL	CPR level	Cca s1 d1 a1 Dca s2 d2 a2

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
U500L4SH5	4	LSZH	Dca s2 d2 a2	7.16	D500
U500L4SHC5	4	LSZH	Cca s1 d1 a1	7.16	D500

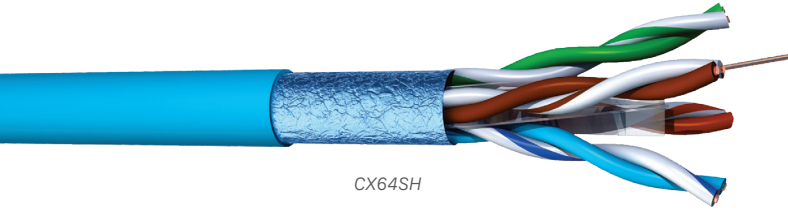
* the external diameter is submit to a tolerance of +/-0.2mm



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CATEGORY 6A SOLID CORE CABLE

CATEGORY 6 F/UTP SOLID CORE CABLE



CX64SH

Benefits

- Exceeds standard specifications: tested up to 350 MHz
- Electromagnetic immunity
- Available in high CPR level
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

Standards

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Blue LSZH RAL 5024

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ELECTRICAL	Coupling attenuation	65 dB
	Operating temperature	-20°C to +60°C
ENVIRONMENTAL	CPR level	Cca s1 d1 a1 Dca s2 d2 a2

Ordering information

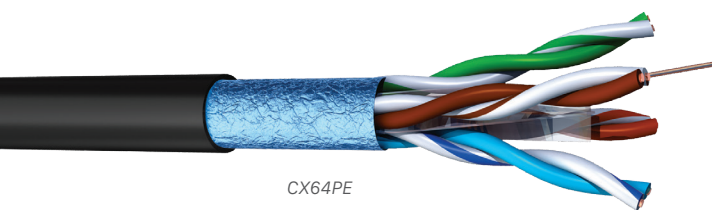
ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
CX6xSHy	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	7.0 for 4p 7.0x14.5 for 2X4p	C100: replace y by 1 D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B
CX6xSHCy	4 : replace x by 4 8 : replace x by 8	LSZH	Cca s1 d1 a1	7.0 for 4p 7.0x14.5 for 2X4p	D500
CX64SHB25	4	LSZH	B2ca s1a d1 a1	7.1	D500

* the external diameter is submit to a tolerance of +/-0.2mm

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CATEGORY 6 SOLID CORE CABLE

CATEGORY 6 F/UTP SOLID CORE CABLE OUTDOOR



Benefits

- Adapted for outdoor applications
- Electromagnetic immunity
- Exceeds standard specifications : tested up to 350mhz
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

Standards

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Black PE

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	UV resistance	IEC 60068-2-5
	CPR level	Fca

Ordering information

ITEM	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
CX64PE	4	F/UTP	Fca	7.1	D1000

* the external diameter is submit to a tolerance of +/-0.2mm



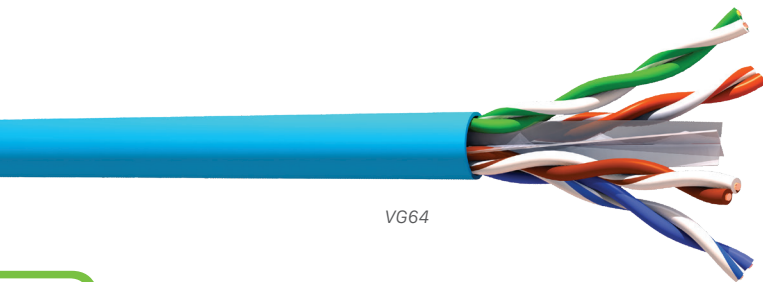
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CATEGORY 6 SOLID CORE CABLE



23

CATEGORY 6 U/UTP SOLID CORE CABLE



Benefits

- Exceeds standard specifications
- LSZH version available in Cca
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

Standards

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHEATH	VG6x Blue PVC RAL 5024 VG6xSH, Blue LSZH RAL 5024

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	69%
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	CPR level	Dca s2 d2 a2 Cca s1 d1 a1
	Fire rating	IEC 60332-1

Ordering information

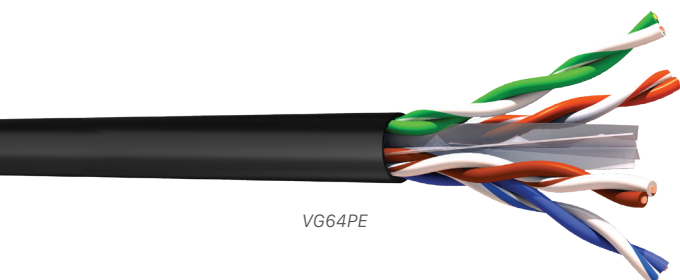
ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
VG6xy	4	PVC	Eca	6.5	D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B Reel in Box 305 : RIB
VG6xSHy	4	LSZH	Dca s2 d2 a2	6.5	D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B Reel in Box 305 : RIB
VG6xSHCy	4	LSZH	Cca s1 d1 a1	6.5	D500 : replace y by 5 Box 305 : replace y by B

* the external diameter is submit to a tolerance of +/-0.2mm

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CATEGORY 6 SOLID CORE CABLE

CATEGORY 6 U/UTP SOLID CORE CABLE OUTDOOR



Benefits

- Adapted for outdoor applications
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

Standards

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central cross
SHEATH	Black PE

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	UV resistance	IEC 60068-2-5
	CPR level	Fca

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
VG64PE5	4	PE	Fca	6.2	D500
VG64PE	4	PE	Fca	6.2	D1000

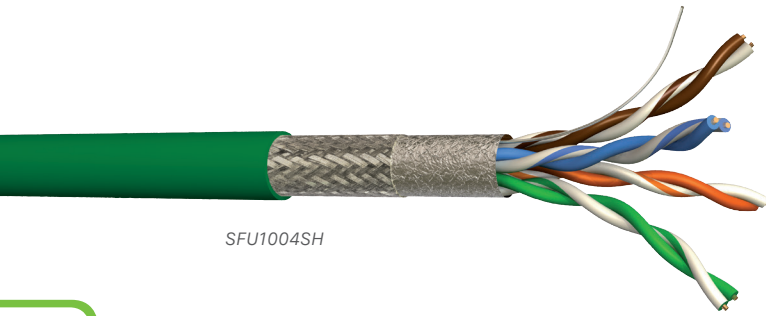
* the external diameter is submit to a tolerance of +/-0.2mm



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CATEGORY 6 SOLID CORE CABLE

CATEGORY 5E SF/UTP SOLID CORE CABLE HARSH ENVIRONMENT



SFU1004SH



Benefits

- Mechanically and electrically adapted to harsh environments : hydrocarbures, oil...
- Very high EMC thanks to a high braiding coverage
- Flame retardant
- Adapted for industrial link as Profinet standard



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G, industrial network (profinet ...)
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-5 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-3: 2011 Class D
ISO/IEC 24702

Characteristics

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PP foam
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil, tinned copper braid
SHEATH	Green PUR RAL 6018

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	93 Ω/km
	Characteristic impedance	100 Ω
ELECTRICAL	Nominal velocity propagation	73%
	Coupling attenuation	75 dB
	Operating temperature	-40°C to +80°C
ENVIRONMENTAL	CPR level	Eca
	Fire rating	IEC 60332-1
	Chemical resistance :	Oil and kerosene UV and ozone microbes and mud

Ordering information

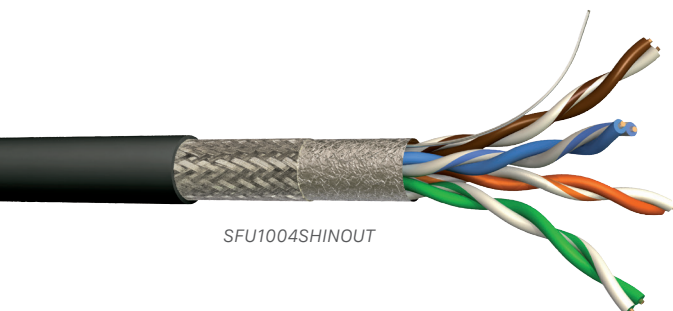
ITEM	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SFU1004PUR10	4	PUR	Eca	6.2	D1000
SFU1004PUR25	4	PUR	Eca	6.2	D2500

* the external diameter is submit to a tolerance of +/-0.2mm

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CATEGORY 5E SOLID CORE CABLE

CATEGORY 5E SF/UTP SOLID CORE CABLE INDOOR/OUTDOOR



SFU1004SHINOUT



Benefits

- CAT5E cable ideal for IOT connection
- Resistant to water and UV, suitable for indoor and outdoor applications
- Flame retardant

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-5 CAT5E
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5E
EN 50173-1: 2011 Class D

Characteristics

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PP foam
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil, tinned copper braid
SHEATH	Black LSZH RAL 9005

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	Dca s2 d2 a2
	Fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SFU1004SHINOUT10	4	LSZH	Dca s2 d2 a2	6.5	D1000

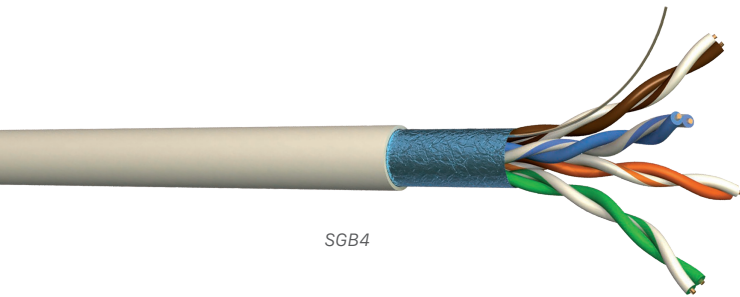
* the external diameter is submit to a tolerance of +/-0.2mm



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CATEGORY 5E SOLID CORE CABLE

CATEGORY 5E F/UTP SOLID CORE CABLE



Benefits

- Exceed standard specifications
- Electromagnetic immunity
- Flame retardant



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-5 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1: 2011 Class D

Characteristics

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Grey PVC RAL 7035 (SGBxSH, Grey LSZH RAL 7035)

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	SH : Dca s2 d2 a2 PVC : Eca
	Fire rating	IEC 60332-1

Ordering information

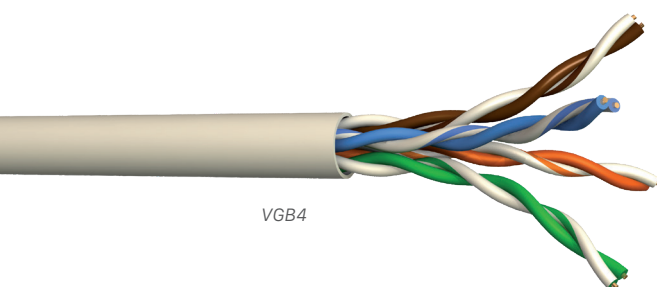
ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
SGBxB	4 : replace x by 4 8 : replace x by 8	PVC	Eca	5.7 for 4p 5.7x12 for 2X4p	C100 : replace y by 1 D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B
SGBxBSH	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	5.7 for 4p 5.7x12 for 2X4p	C100 : replace y by 1 D500 : replace y by 5 D1000 : replace y by 10 Box 305 : replace y by B
SGBxxSH	3x4 : replace x by 12 16x4 : replace x by 64	LSZH	-	17 for 3x4p 32 for 16X4p	D1000

* the external diameter is submit to a tolerance of +/-0.2mm

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CATEGORY 5E SOLID CORE CABLE

CATEGORY 5E U/UTP SOLID CORE CABLE



Benefits

- Exceed standard specifications
- Flame retardant

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-5 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1: 2011 Class D

Characteristics

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHEATH	Grey PVC RAL 7035 (VGBxSH, Grey LSZH RAL 7035)

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	95 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	CPR level	SH : Dca s2 d2 a2 PVC : Eca
	Fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHEATH	CPR LEVEL	OUTER DIAMETER (mm)*	PACKAGING (m)
VGBxy	4 : replace x by 4 8 : replace x by 8	PVC	Eca	5.4 for 4p 5.4x11.3 for 2X4p	D500 : replace y by 5 D1000: replace y by 10 Box 305 : replace y by B
VGBxSHy	4 : replace x by 4 8 : replace x by 8	LSZH	Dca s2 d2 a2	5.4 for 4p 5.4x11.5 for 2X4p	D500 : replace y by 5 D1000: replace y by 10 Box 305 : replace y by B

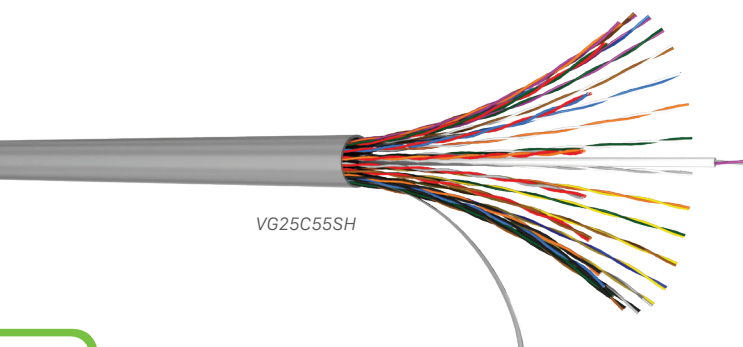
* the external diameter is submit to a tolerance of +/-0.2mm



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CATEGORY 5E SOLID CORE CABLE

CATEGORY 5 U/UTP MULTIPAIR CABLE



Benefits

- Flame retardant



VG25C55SH



COPPER

Applications

- VOICE : ANALOG, ISDN, VOIP

Standards

- CABLE : IEC 61156-5 CAT5
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-B.2 CAT 5
EN 50173 ED2 Class D

Characteristics

CONDUCTOR	2 x 25 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	25 pairs twisted following TIA 568 colour code
SHEATH	Grey LSZH RAL 7035

Properties

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	68%
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	Fire rating	IEC 60332-1

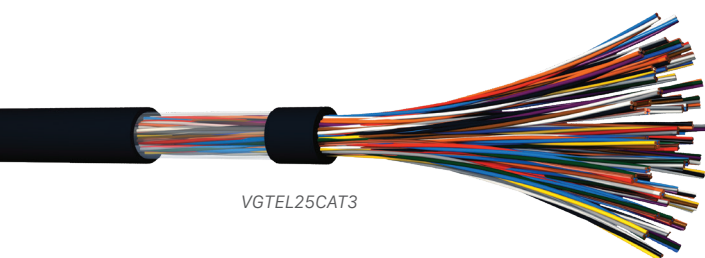
Ordering information

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
VG25C55SH	25	U/UTP	LSZH	13.5	D500

* the external diameter is submit to a tolerance of +/-0.2mm

VOICE GRADE SOLID CORE MULTIPAIR CABLE

CATEGORY 3 U/UTP MULTIPAIR CABLE



Benefits

- Suitable for voice grade applications
- Flame retardant

Applications

- VOICE : ANALOG, ISDN, VOIP

Standards

- CABLE : IEC 61156-5 CAT3
- SYSTEM : ISO 11801 Class C
EIA/TIA 568-B.2 CAT3
EN 50173 class C

Characteristics

CONDUCTOR	2 x 25 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	25 pairs twisted following belgacom code (BE)
SHEATH	Grey PVC RAL 7035

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	94 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	Fire rating	IEC 60332-1

Ordering information

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
VGTEL25CAT3	25	U/UTP	PVC	11.5	D1000
VGTEL50CAT3	50	U/UTP	PVC	15.0	D500
VGTEL100CAT3	100	U/UTP	PVC	20.0	D500

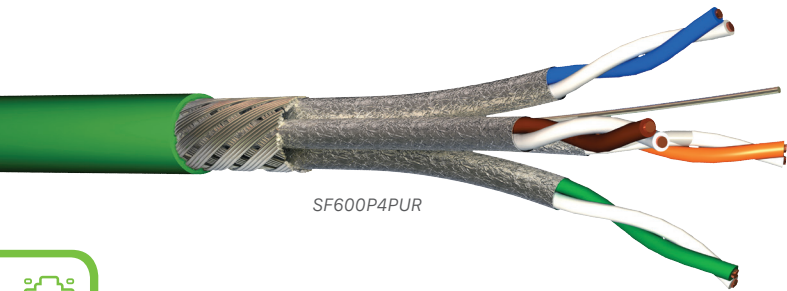
* the external diameter is submit to a tolerance of +/-0.2mm



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VOICE GRADE SOLID CORE MULTIPAIR CABLE

CATEGORY 7 S/FTP STRANDED CORE CABLE PUR



SF600P4PUR

Benefits

- High transmission level
- Adapted for industrial link requiring flexibility
- High EMC thanks a double shielding S/FTP
- PUR jacket for harsh environment



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G, industrial network (profinet ...)
- REMOTE POWER : POEP

Standards

- CABLE : IEC 61156-6 CAT7
- SYSTEM : ISO 11801 ED2.2 Class F
EIA/TIA 568.C-2 CAT7
EN 50173-1: 2011 Class F

Characteristics

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	PUR Green RAL 6018

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	143 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	77%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-40°C to +80°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

Ordering information

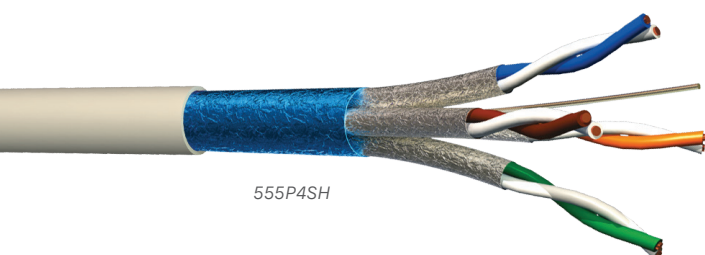
ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
SF600P4PUR10	4	S/FTP	PUR	6.4	D1000

* the external diameter is submit to a tolerance of +/-0.2mm

COPPER

CATEGORY 7 STRANDED CORE CABLE

CATEGORY 6A U/FTP STRANDED CORE CABLE



555P4SH



Benefits

- High transmission level
- Adapted for making patch cords or consolidation point links up to cat 6A
- Electromagnetic immunity
- Flame retardant

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

Standards

- CABLE : IEC 61156-6 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568.C-2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Grey LSZH RAL 7035

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	145 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

Ordering information

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
555P4SH	4	U/FTP	LSZH	5.9	D1000

* the external diameter is submit to a tolerance of +/-0.2mm



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CATEGORY 6A STRANDED CORE CABLE



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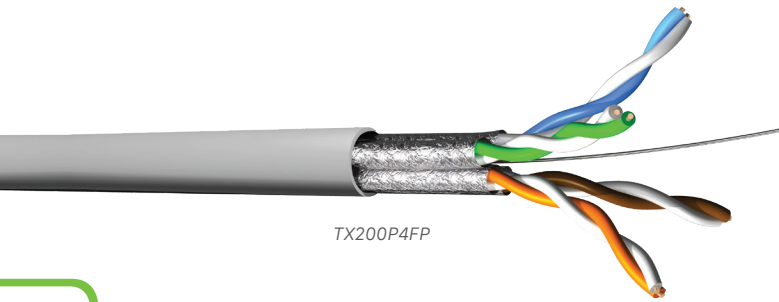


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CATEGORY 6 U/FTP STRANDED CORE CABLE



TX200P4FP

Benefits

- Adapted for making patch cords or consolidation point links up to cat 6
- Electromagnetic immunity
- Flame retardant



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-6 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	2 x 4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	PVC

Properties

MECHANICAL	Bending Radius	8 x cable diameter	
	Linear resistance	154 Ω/km	
	ELECTRICAL	Characteristic impedance	100 Ω
		Nominal velocity propagation	66%
ENVIRONMENTAL	Coupling attenuation	65 dB	
	Operating temperature	-20°C to +60°C	
	Fire rating	IEC 60332-1	

Ordering information

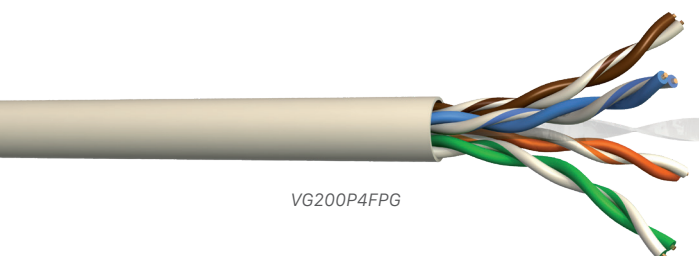
ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
TX200P4FP	4	U/FTP	Dark Blue PVC	5.6	D1000
TX200P4FPG	4	U/FTP	Grey PVC	5.6	D1000

* the external diameter is submit to a tolerance of +/-0.2mm

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CATEGORY 6 STRANDED CORE CABLE

CATEGORY 6 U/UTP STRANDED CORE CABLE



Benefits

- Very easy to connect and very flexible
- Adapted for making patch cords or consolidation point links up to cat6
- Flame retardant

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-6 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted with a flat filler
SHEATH	Grey PVC RAL 7035

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	145 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Operating temperature	-20°C to +60°C
ENVIRONMENTAL	Fire rating	IEC 60332-1

Ordering information

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
VG200P4FPG	4	U/UTP	PVC	5.6	D1000

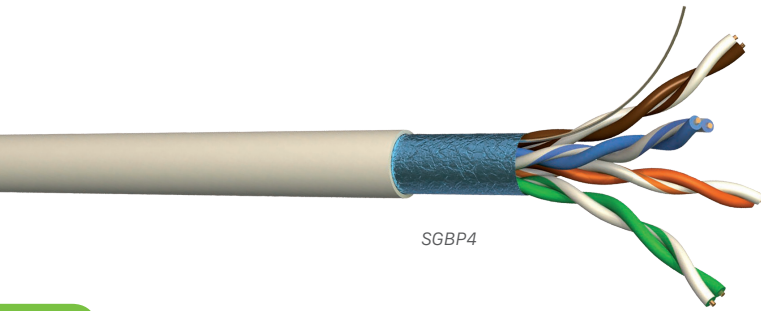
* the external diameter is submit to a tolerance of +/-0.2mm



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CATEGORY 6 STRANDED CORE CABLE

CATEGORY 5E F/UTP STRANDED CORE CABLE



Benefits

- Electromagnetic immunity
- Adapted for making patch cords or consolidation point links up to cat 5e
- Flame retardant



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-6 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1: 2011 Class D

Characteristics

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Grey PVC RAL 7035 (SGBP4SH, Grey LSZH RAL 7035)

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	145 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	60 dB
	Operating temperature	-20°C to +60°C
ENVIRONMENTAL	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1 for SGBP4SH

Ordering information

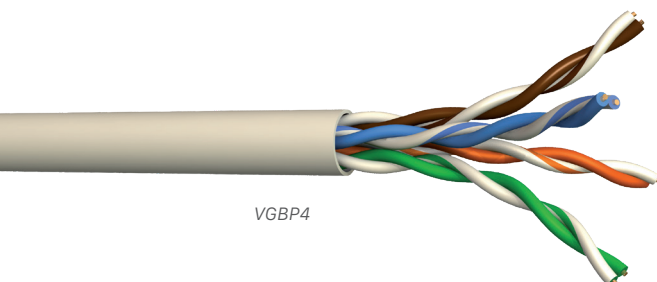
ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
SGBP41	4	F/UTP	Grey PVC	5.0	C100
SGBP410	4	F/UTP	Grey PVC	5.0	D1000
SGBP410SH	4	F/UTP	Grey LSZH	5.0	D1000

* the external diameter is submit to a tolerance of +/-0.2mm

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CATEGORY 5E STRANDED CORE CABLE

CATEGORY 5E U/UTP STRANDED CORE CABLE



Benefits

- Adapted for making patch cords or consolidation point links up to cat 5e
- Flame retardant

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

Standards

- CABLE : IEC 61156-6 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1: 2011 Class D

Characteristics

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHEATH	Grey PVC RAL 7035 (VGBP4SH, Grey LSZH RAL 7035)

Properties

MECHANICAL	Bending Radius	8 x cable diameter
	Linear resistance	145 Ω/km
ELECTRICAL	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1 for VGBP4SH

Ordering information

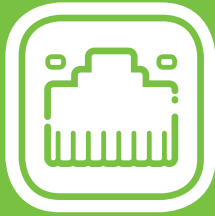
ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (mm)*	PACKAGING (m)
VGBP41	4	U/UTP	Grey PVC	4.8	C100
VGBP410	4	U/UTP	Grey PVC	4.8	D1000
VGBP410SH	4	U/UTP	Grey LSZH	4.8	D1000

* the external diameter is submit to a tolerance of +/-0.2mm



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CATEGORY 5E STRANDED CORE CABLE



COPPER SYSTEM

COPPER CONNECTIVITY

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CATEGORY 6 RJ45 MODULAR JACKS

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CATEGORY 6A SHIELDED IV 100% TOOL LESS MODULAR JACK



IV6AFS



Benefits

- Exceed CAT6A standard specification: system and component
- First 100% tool less connector : equipped with ceramic blade
- POE and POEP certified IEC 60512-99
- Colored dust shutter available

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POE, POEP AND DRAFT 4PPOE

Standards

- COMPONENT : IEC 60603-7-51
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

DIMENSIONS	28.5 mm x 35.55 mm x 18.2 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	4 layers optimized PCB and gold printed
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	100% tool less thanks ceramic blade Solid and stranded wires from AWG24 to AWG22
SHIELD	360° spring hook
HOUSING	Keystone monobloc in Zamac

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Coupling attenuation	compliant to ISO 11801
	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

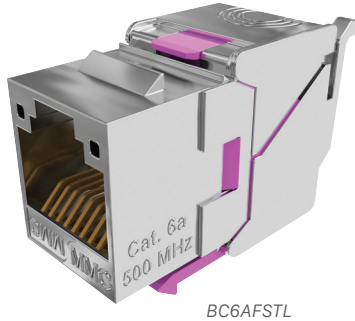
ITEMS	DESCRIPTION	SHIELD	PACKAGING
IV6AFS8	CAT6A RJ45 connector full shielded IV range	Fully shielded	8
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8



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CATEGORY 6A RJ45 MODULAR JACKS

CATEGORY 6A SHIELDED BCTL TOOL LESS MODULAR JACKS



BC6AFSTL

Benefits

- Exceed CAT6A standard specification: system and component
- Fast and easy toolless termination
- Compact keystone : compatibility with a big part of faceplate
- POE and POEP certified IEC 60512-99
- Colored dust shutter available



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POE, POEP AND DRAFT 4PPOE

Standards

- COMPONENT : IEC 60603-7-51
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	4 layers PCB and gold printed
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

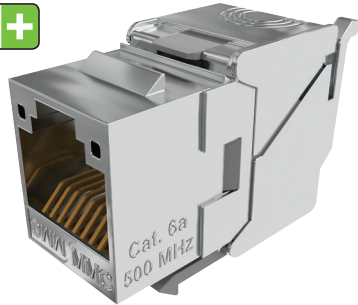
Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	compliant to ISO 11801
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC6AFSTL8	CAT6A RJ45 modular jack full shielded BC range tool less version	Fully shielded	8
BC6AFSTL50	CAT6A RJ45 modular jack full shielded BC range tool less version	Fully shielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

CATEGORY 6A SHIELDED LINK+ TOOL LESS MODULAR JACK



LK6AFSTL



Benefits

- Tool less CAT6A RJ45 modular jack
- Link compliant
- Fast and easy toolless termination
- Compact keystone : very low depth for a better compatibility with a big part of faceplate

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

Standards

- SYSTEM : ISO 11801 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	optimized PCB and gold printed
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Coupling attenuation	compliant to ISO 11801
	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

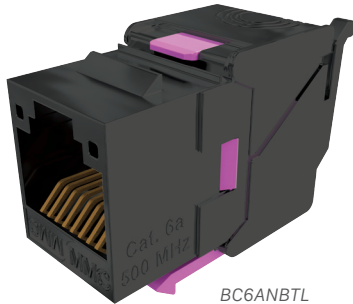
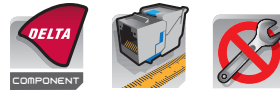
ITEMS	DESCRIPTION	SHIELD	PACKAGING
LK6AFSTL8	CAT6A RJ45 modular jack full shielded LINK+ range toolless version	Fully shielded	8
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8



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CATEGORY 6A RJ45 MODULAR JACKS

CATEGORY 6A UNSHIELDED BCTL TOOL LESS MODULAR JACKS



BC6ANBTL

Benefits

- Exceed CAT6A standard specification: system and component
- Fast and easy toolless termination
- Compact keystone : compatibility with a big part of faceplate
- Colored dust shutter available



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POE,POEP AND DRAFT 4PPOE

Standards

- COMPONENT : IEC 60603-7-5
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	4 layers PCB and gold printed
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
HOUSING	Keystone monobloc in ABS

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

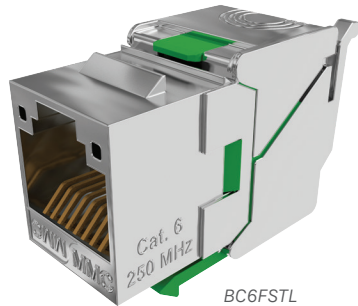
ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC6ANBTL50	CAT6A RJ45 connector unshielded BC range tool less version	Unshielded	50



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CATEGORY 6A RJ45 MODULAR JACKS

CATEGORY 6 SHIELDED BCTL TOOL LESS MODULAR JACKS



BC6FSTL

Benefits

- Exceed CAT6 standard specification thanks to an optimized circuit
- Fast and easy toolless termination
- Compact keystone : compatibility with a big part of faceplate
- Compatible with RJ12 plug
- Colored dust shutter available

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

Standards

- COMPONENT : IEC 60603-7-5
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Toolless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Coupling attenuation	Compliant to ISO 11801
	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

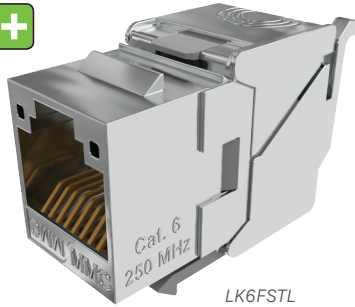
ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC6FSTL8	CAT6 RJ45 connector full shielded BC range - toolless version	Fully shielded	8
BC6FSTL50	CAT6 RJ45 connector full shielded BC range - toolless version	Fully shielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8



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CATEGORY 6 RJ45 MODULAR JACKS

CATEGORY 6 SHIELDED LINK+ TOOL LESS MODULAR JACK



LK6FSTL



Benefits

- Tool less CAT6 RJ45 modular jack
- Link compliant
- Fast and easy toolless termination
- Compact keystone : very low depth for a better compatibility with a big part of faceplate



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

Standards

- SYSTEM : ISO 11801 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	compliant to ISO 11801
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

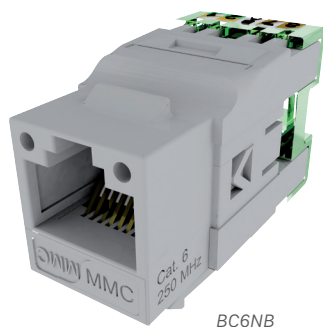
Ordering information

ITEMS	DESCRIPTION	SHIELD	PACKAGING
LK6FSTL8	CAT6 RJ45 modular jack full shielded LINK+ range toolless version	Fully shielded	8
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

COPPER

CATEGORY 6 RJ45 MODULAR JACKS

CATEGORY 6 UNSHIELDED BC MODULAR JACKS



Benefits

- Exceed CAT6 standard specification thanks to an optimized circuit
- Modularity on the termination : punch down or special tool
- Compact keystone : low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug
- Colored dust shutter available

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1G
- REMOTE POWER : POEP

Standards

- COMPONENT : IEC 60603-7-4
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

DIMENSIONS	19.30 mm x 33.50 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless or punchdown solid and stranded wire from AWG24 to AWG22
SHIELD	Unshielded
HOUSING	ABS

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

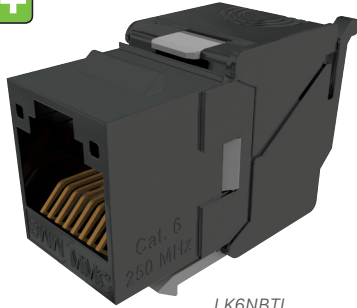
ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC6NB8	CAT6 RJ45 connector unshielded BC range	Unshielded	8
BC6NB	CAT6 RJ45 connector unshielded BC range	Unshielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8



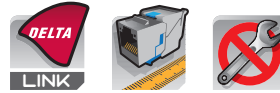
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CATEGORY 6 RJ45 MODULAR JACKS

CATEGORY 6 UNSHIELDED LINK+ TOOL LESS MODULAR JACK



LK6NBTL



Benefits

- Tool less CAT6 RJ45 modular jack
- Link compliant
- Fast and easy toolless termination
- Compact keystone : very low depth for a better compatibility with a big part of faceplate



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1G
- REMOTE POWER : POEP

Standards

- SYSTEM : ISO 11801 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
HOUSING	Keystone monobloc in ABS

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ELECTRICAL	Coupling attenuation	compliant to ISO 11801
	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

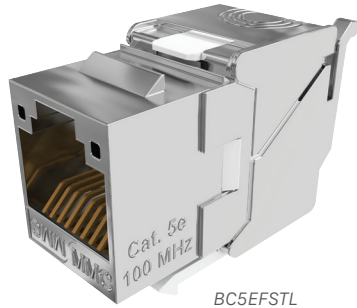
Ordering information

ITEMS	DESCRIPTION	SHIELD	PACKAGING
LK6NBTL8	CAT6 RJ45 modular jack unshielded LINK+ range toolless version	Fully shielded	8
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

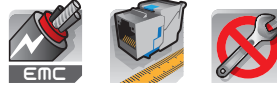
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CATEGORY 6 RJ45 MODULAR JACKS

CATEGORY 5E SHIELDED BCTL TOOL LESS MODULAR JACKS



BC5EFSTL



Benefits

- Exceed CAT5e standard specification thanks to an optimized circuit
- Fast and easy toolless termination
- Compact keystone :
Very low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug
- Colored dust shutter available

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

Standards

- COMPONENT : IEC 60603-7-3
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1: 2011 Class D

Characteristics

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG23
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 15W
ENVIRONMENTAL	Coupling attenuation	-
	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC5EFSTL8	CAT5E RJ45 connector full shielded BC range toolless version	Fully shielded	8
BC5EFSTL50	CAT5E RJ45 connector full shielded BC range toolless version	Fully shielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8



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CATEGORY 5E RJ45 MODULAR JACKS

CATEGORY 5E UNSHIELDED BC MODULAR JACKS



BC5ENB

Benefits

- Exceed CAT5e standard specification thanks to an optimized circuit
- Modularity on the termination : punch down or special tool
- Compact keystone : low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

Standards

- COMPONENT : IEC 60603-7-2
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1: 2011 Class D

Characteristics

DIMENSIONS	19.30 mm x 33.50 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : Bronze / Platine and copper + SnPb
TERMINATION	Toolless or punchdown solid and stranded wire from AWG24 to AWG23
SHIELD	Unshielded
HOUSING	ABS

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 15W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

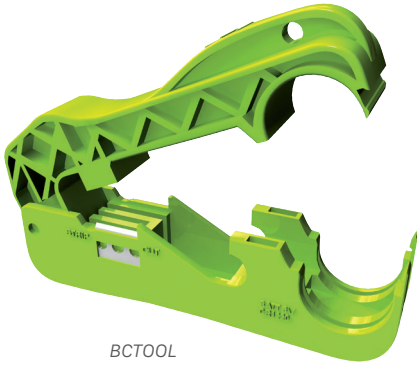
Ordering information

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC5ENB8	CAT5e RJ45 connector unshielded BC range	Unshielded	8
BC5ENB	CAT5e RJ45 connector unshielded BC range	Unshielded	50
BCDUSTSHBL8	White dust shutter for BC range	-	8
BCDUSTSHB8	Blue dust shutter for BC range	-	8
BCDUSTSHR8	Red dust shutter for BC range	-	8
BCDUSTSHJ8	Yellow dust shutter for BC range	-	8
BCDUSTSHV8	Green dust shutter for BC range	-	8

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CATEGORY 5E RJ45 MODULAR JACKS

BC MODULAR JACKS ACCESSORIES



BCTOOL

Benefits

- Proprietary tool for BC fast termination
- Allow termination for BC jacks
- Equipped with blade to strip the cable
- Scale for the stripping
- Integrated LED light

Characteristics

DIMENSIONS	128.5 mm x 58 mm x 23 mm
FEATURES	Termination tool equipped with blade to strip the cable 6.5 to 7.5 mm
LABELING	Scale for stripping
MATERIAL	Fire retardant thermal plastic

Properties

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL 94V0

Ordering information

ITEM	DESCRIPTION	PACKAGING
BCTOOL	Termination tool for BC jacks	Unit



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RJ45 MODULAR JACKS ACCESSORIES



BC

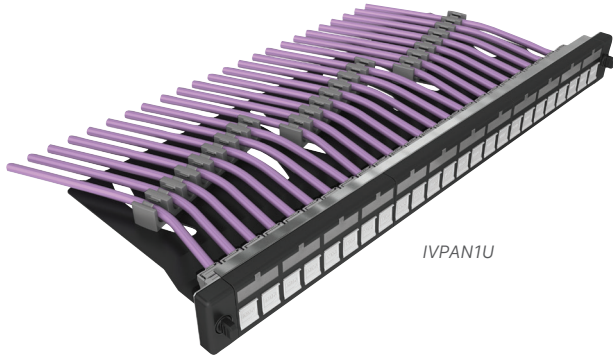
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BC

BC

BC

IV SERIE MODULAR PATCH PANEL



IVPAN1U

Benefits

- Screw less panel
- Rotative rear cable management bloc
- Cable fixing system without cable tie
- Front face equipped with removable colored dust shutter
- Clear identification: large and clear label holder



Characteristics

DIMENSIONS	484 mm x 44 mm x 169.4 mm
FOOTPRINT	Keystone flush mounted
FIXING	Screw less system (screw can be also added)
IDENTIFICATION	Front label holder and removable colored dust shutter
CABLE MANAGEMENT	3 rotative rear management bloc

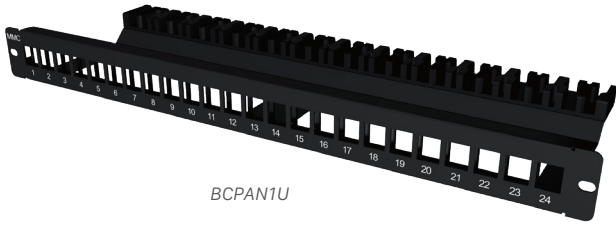
Properties

MECHANICAL	Tensile Loaded	>110 N
ELECTRICAL	Ground Contact	Direct grounding
ENVIRONMENTAL	Operating temperature	-10°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
IVPAN1U	19" patch panel 24 ports 1U IV range	Unit
IVDUSTPANBL8	White dust shutter for IV panel	8
IVDUSTPANB8	Blue dust shutter for IV panel	8
IVDUSTPANJ8	Yellow dust shutter for IV panel	8
IVDUSTPANR8	Red dust shutter for IV panel	8
IVDUSTPANV8	Green dust shutter for IV panel	8

BC SERIE MODULAR PATCH PANEL



BCPAN1U

Benefits

- Unique rear system management to fix the cable without cable tie
- Direct grounding
- Modularity : blank module for unused port
- Keystone format

Characteristics

DIMENSIONS	445 mm x 43.6 mm x 165 mm
FOOTPRINT	Keystone flush mounted
FIXING	Central screw to 19" Mounting
IDENTIFICATION	Front label holder
CABLE MANAGEMENT	Unique system management without cable ties

Properties

MECHANICAL	Tensile Loaded	>110 N
ELECTRICAL	Ground Contact	Direct grounding
ENVIRONMENTAL	Operating temperature	-10°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
BCPAN1U	19" patch panel 24 ports 1U BC range	Unit
BCPAN2U	19" patch panel 48 ports 2U BC range	Unit
BCOB	Port blank module for BCPAN1U or BCPAN2U	10



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PATCH PANEL

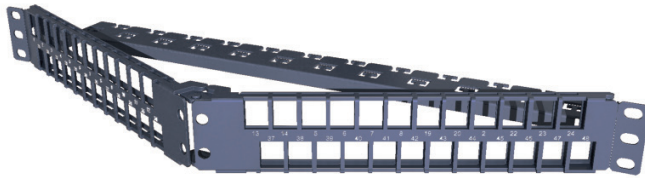
BC

PATCH PANEL 48 PORTS - 1U



Benefits

- Angled patch panel 48 ports on 1U dedicated for big density (with BCxFSTL or LINK+ jack)
- Angled patch panel is equipped with rings to allow a better management of patch cord
- The rear support is studied to allow the fixing of 48 cables
- A label holder on the middle of panel allows a clear identification



BCPAN1UV48



COPPER

PATCH PANEL

Characteristics

DIMENSIONS	445 mm x 44 mm x 100 mm
FOOTPRINT	Keystone flush mounted
FIXING	2 screws on each side
IDENTIFICATION	Label holder
CABLE MANAGEMENT	Rear support bar with T shape to fix the cable

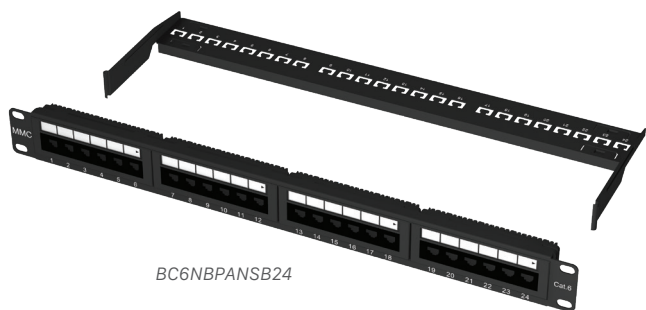
Properties

MECHANICAL	Tensile loaded	>110N
ELECTRICAL	Ground contact	Direct grounding
ENVIRONMENTAL	Operating temperature	-10°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
BCPAN1UV48	Angled patch panel 48 ports on 1U	Unit

CATEGORY 6 BC SERIE PATCH PANEL



BC6NBPANSB24

Benefits

- Loaded patch panel unshielded CAT6 24 or 48 ports
- Equipped with support bar
- 180° punch down termination
- Color coding clearly identified: TIA 568 A or 568 B

Applications

- VOICE: ANALOG, ISDN, VOIP
- DATA: ETHERNET UP 1G
- REMOTE POWER: POEP

Standards

- COMPONENT : IEC 60603-7-4
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

DIMENSIONS	482.6 mm x 43.5 mm x 26.8 mm (without support bar)
CONTACT	Bronze / Nickel + Gold plating
COMPENSATION	2 layers compensation
IDC	110 Dual IDC Phosphor bronze
TERMINATION	180° punchdown solid and stranded wire from AWG24 to AWG22
CABLE MANAGEMENT	Rear support bar equipped with cable manager (with cable ties)

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL 94V0

Ordering information

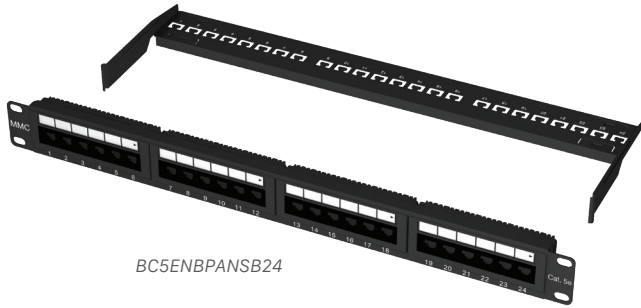
ITEMS	DESCRIPTION	PACKAGING
BC6NBPANSB24	19" loaded CAT6 unshielded patch panel 24 ports 1U with support bar - BC range	Unit
BC6NBPANSB48	19" loaded CAT6 unshielded patch panel 48 ports 2U with support bar - BC range	Unit
MMCMTAT	Punch down tool	Unit



COPPER

PATCH PANEL

CATEGORY 5E BC SERIE PATCH PANEL



BC5ENBPANSB24

Benefits

- Loaded patch panel unshielded CAT5e 24 or 48 ports
- Equipped with support bar
- 180° punch down termination
- Color coding clearly identified : TIA 568 A or 568 B



Applications

- VOICE: ANALOG, ISDN, VOIP
- DATA: ETHERNET UP 1G
- REMOTE POWER: POE

Standards

- COMPONENT : IEC 60603-7-2
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN50173-1: 2011 Class D

Characteristics

DIMENSIONS	482.6 mm x 43.5 mm x 26.8 mm
CONTACT	Bronze / Nickel + Gold plating
COMPENSATION	2 layers compensation
IDC	110 Dual IDC Phosphor bronze
TERMINATION	180° punchdown solid and stranded wire from AWG24 to AWG23
CABLE MANAGEMENT	Rear support bar equipped with cable manager (with cable ties)

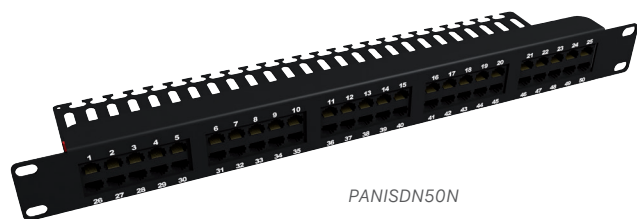
Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 15W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL 94V0

Ordering information

ITEMS	DESCRIPTION	PACKAGING
BC5ENBPANSB24	19" loaded CAT5E unshielded patch panel 24 1U ports with support bar - BC series	Unit
BC5ENBPANSB48	19" loaded CAT5E unshielded patch panel 48 2U ports with support bar - BC series	Unit
MMCMTAT	Punch down tool	Unit

CATEGORY 3 PATCH PANEL



PANISDN50N

Benefits

- Loaded voice panel
- ISDN telephone panel equipped with 50 or 60 UTP CAT3 ports
- PANISDNxxN :
4/5 and 3/6 pairs with punch down termination
- FIXMULTI60PABX :
- 5 modules of 12 ports 4/5 and 7/8 pairs with tooless termination
- Equipped with rings on the back for a better management of cable

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10MBPS

Standards

- SYSTEM : ISO 11801 Class C
EIA/TIA 568-B.2 CAT3
EN 50173: 2011 Class C

Characteristics

DIMENSIONS	483 mm x 44 mm x 170 mm
CONTACT	Phosphor Bronze / Nickel + Gold plating
COMPENSATION	Integrated PCB
IDC	Dual IDC Phosphor bronze
TERMINATION	PANISDNxxN : punchdown solid and stranded wire from AWG24 to AWG22 FIXMULTI60PABX : tooless solid wire from AWG24 to AWG22
CABLE MANAGEMENT	PANISDNxxN : Rear cable manager with cables ties FIXMULTI60PABX : Rear cable manager equipped with rings

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Operating voltage	< 72V DC
ELECTRICAL	Voltage test	> 1000V DC contact to contact
	Contact resistance	< 20 mΩ IEC 60512-2-1
	Power capacity	< 10W
ENVIRONMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL94V0

Ordering information

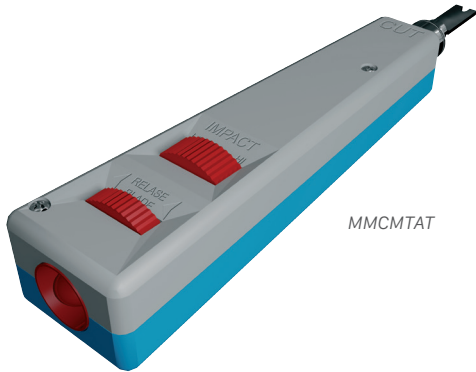
ITEMS	DESCRIPTION	PACKAGING
PANISDN50N	19" voice panel 50 ports 4-5/3-6 - 1U	Unit
PANISDN60N	19" voice panel 60 ports 4-5/3-6 - 1U	Unit
FIXMULTI60PABX	19" voice panel 60 ports 4-5/7-8 - 1U tooless	Unit
MMCMTAT	Punch down tool	Unit



COPPER

PATCH PANEL

PUNCH DOWN TOOL



MMCMTAT

Benefits

- Punch down tool for block 110 IDC and KRONE
- Allow the termination of voice panel and RJ45 jacks with punch down
- Adjustable with wheel, autcutting with blade



Characteristics

DIMENSIONS	171 mm x 38 mm x 29 mm
BLADE	Cast iron
TERMINATION	DUAL IDC : 110 AND KRONE

Properties

ENVIRONMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL94V0

Ordering information

ITEMS	DESCRIPTION	PACKAGING
MMCMTAT	Punch down tool for BC series jacks and pre-loaded panel	Unit
MMCLAMENTAT	Blade for punch down tool	Unit

IV SERIE FACEPLATE LOCKING SYSTEM



IVLOCK451C8



Benefits

- French style faceplate 45x45 keystone format
- Lockable sliding dust shutter lockable
- Locking system hidden behind label holder for discrete application
- Integrated dust shutters

Characteristics

DIMENSIONS	45 mm x 45 mm 1 port
FEATURES	Lockable sliding dust shutter
LABELING	Individual and protected label holder
HANGING SYSTEM	12 points
MATERIAL	Polycarbonate white RAL 9003

Properties

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

Ordering information

ITEMS	DESCRIPTION	PACKAGING
IVLOCK451C8	45x45 mm locking face plate 1 connector IV range	8

IV SERIE FACEPLATE ANTIBACTERIAL



IV450B1C

Benefits

- French style faceplate 45x45 keystone format
- Antibacterial faceplate compliant to JIS Z2801 standard
- Integrated dust shutter



Characteristics

DIMENSIONS	45 mm x 45 mm 1 port
FEATURES	Sliding dust shutter
LABELING	Individual and protected label holder
HANGING SYSTEM	12 points
MATERIAL	Antibacterial compound according to JIS Z2801 standard

Properties

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

Ordering information

ITEMS	DESCRIPTION	PACKAGING
IV450B1C	45x45 mm antibacterial face plate 1 connector IV range	8



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FACEPLATES

BC SERIE FACE PLATES FRENCH STYLE



BC451C

Benefits

- French style 45 x 45 mm to be loaded with BC series jacks
- Elegant design
- Integrated dust shutter
- Inclined labelling for a better visibility and protected by a flapping crystal window
- Hang system high density

Characteristics

DIMENSIONS	45 mm x 45 mm 1 port or 2 ports
FEATURES	Dust shutter flapping
LABELING	Individual and protected label holder
CABLE ENTRY/EXIT	Individual fixing point for cable
MATERIAL	ABS UV resistant white RAL 9003

Properties

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

Ordering information

ITEMS	DESCRIPTION	PACKAGING
BC451C	45 x 45 mm French style face plate 1 connector BC range	50
BC452C	45 x 45 mm French style face plate 2 connectors BC range	50
BC451C8	45 x 45 mm French style face plate 1 connector BC range	8
BC452C8	45 x 45 mm French style face plate 2 connectors BC range	8



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FACEPLATES

BC

BC SERIE FACE PLATES - UK STYLE



BC861C

BENEFITS

- UK style 86 x 86 mm to be loaded with BC series jacks
- Elegant design
- Integrated dust shutters
- Inclined labelling for a better visibility and protected by a flapping crystal window
- Hang system high density



Characteristics

DIMENSIONS	86 mm x 86 mm 1 port or 2 ports
FEATURES	Dust shutter flapping
LABELING	Individual and protected label holder
CABLE ENTRY/EXIT	Individual fixing point for cable
MATERIAL	ABS UV resistant white RAL 9003

Properties

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

Ordering information

ITEMS	DESCRIPTION	PACKAGING
BC861C	86 x 86 mm French style face plate 1 connector BC range	10
BC862C	86 x 86 mm French style face plate 2 connectors BC range	10
BC864C	86 x 86 mm French style face plate 4 connectors BC range	10

BC SERIE FACE PLATES - US STYLE



BC701C

Benefits

- US style 114 x 70 keystone format
- Elegant design
- Strengthened structure : honey comb design

Characteristics

DIMENSIONS	114 mm x 70 mm
FEATURES	Strengthened back part
CABLE ENTRY / EXIT	Individual fixing point for cable
MATERIAL	ABS white RAL 9003

Properties

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

Ordering information

ITEMS	DESCRIPTION	PACKAGING
BC701C	US face plate 114 mm x 70 mm for 1 connector BC range	8
BC702C	US face plate 114 mm x 70 mm for 2 connectors BC range	8
BC703C	US face plate 114 mm x 70 mm for 3 connector BC range	8
BC704C	US face plate 114 mm x 70 mm for 4 connector BC range	8
BC706C	US face plate 114 mm x 70 mm for 6 connector BC range	8



COPPER

FACEPLATES

BC

SURFACE MOUNTING BOXES



WP8686PR9003

Benefits

- 86 x 86 mm surface mounting box
- Available in two depth: 35 mm or 45 mm
- Pre cut in order to ensure a good bending radius
- Elegant finishing



Characteristics

DIMENSIONS	86 mm x 86 mm single gang
FEATURES	Interchangeable dust shutter flapping
LABELING	Individual label holder on wall plate
CABLE ENTRY/EXIT	Pre cut entry
MATERIAL	Polycarbonate UV resistant White RAL 9003

Properties

ENVIRONMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL 94V0
	Protection index	IP 20

Ordering information

ITEMS	DESCRIPTION	PACKAGING
WP8686R9003	86 x 86 mm surface mounting box depth 35 mm	Unit
WP8686PR9003	86 x 86 mm surface mounting box depth 45 mm	Unit



COPPER

FACEPLATES

MULTI APPLICATION PLUG



PL6AFS

Benefits

- Plug for solid core up to AWG22
- 360° shielding
- Integrated locking device for secure connection
- Toolless termination
- Classe Ea performance

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP AND DRAFT 4PPOE

Standards

- SYSTEM : ISO11801 Ed2.2 Classe Ea
EIA/TIA 568-C.2 CAT6A
EN 50173: 2011 Classe Ea

Characteristics

DIMENSIONS	21.2 mm x 19 mm x 18.2 mm
CONTACT	Gold plating 50 μ inch
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Nickel 8 μm
TERMINATION	Toolless solid wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Zamac

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

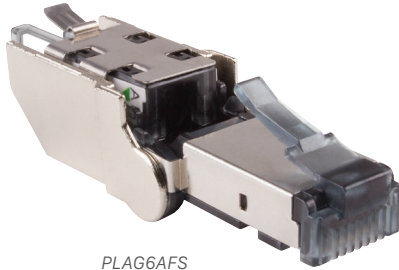
ITEMS	DESCRIPTION	PACKAGING
PL6AFS	Multifonction CAT6A full shielded RJ45 plug for solid wire	Unit
PL6AFS8	Multifonction CAT6A full shielded RJ45 plug for solid wire	8
PL6AFSKEY	Key for the locking system of PL6AFS	Unit



COPPER

PLUGS

ROTATING MULTI APPLICATION PLUG



PLAG6AFS

Benefits

- Rotated plug for solid wire : 135° rotation allow a very low bending radius
- Toolless termination
- Classe Ea performance
- Innovative technology with a flexible PCB
- Available in shielded and unshielded



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POE, POEP AND DRAFT 4PPOE

Standards

- SYSTEM : ISO11801 Ed2.2 Classe Ea
EIA/TIA 568-C.2 CAT6A
EN 50173: 2011 Classe Ea

Characteristics

DIMENSIONS	50.50 mm x 13.60 mm x 8 mm
CONTACT	Gold plating 50 μ inch
COMPENSATION	Flexible PCB
IDC	V shape : Phosphor bronze and nickel plating
TERMINATION	Tooless solid and stranded wire from AWG26 to AWG22 with an insulation max 1.27 mm
SHIELD	PLAG6AFS : full shielded PLAG6ANB : unshielded
HOUSING	Zamac part/Fire retardant thermal plastic

Properties

MECHANICAL	Rotation Cycles	50 Cycles	
	Operating voltage	≤ 72V DC	
	Voltage test	≥ 1000V DC contact to contact	
		≥ 1500V DC contact to screen	
ELECTRICAL	Contact resistance	≤ 20 mΩ IEC 60512-2-1	
	Power capacity	≤ 30W	
	ENVIRONMENTAL	Operating temperature	-40°C to +70°C
		Fire rating	UL 94V0

Ordering information

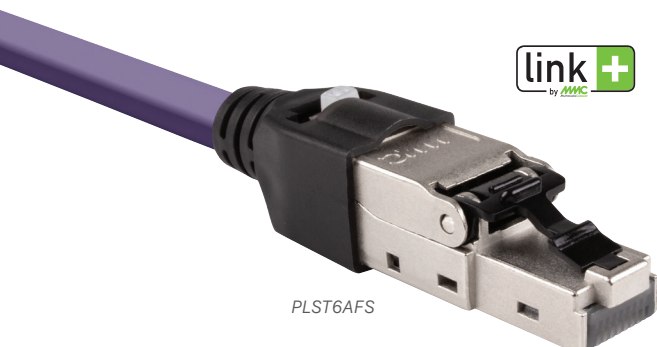
ITEM	DESCRIPTION	PACKAGING
PLAG6ANB	Unshielded rotating RJ5 plug Classe Ea performance	Unit
PLAG6AFS	Full shielded rotating RJ5 plug Classe Ea performance	Unit



COPPER

PLUGS

MULTI APPLICATION PLUG LINK+



Benefits

- Tool less RJ45 plug for solid core up to AWG23
- 360° shielding
- Classe Ea performance
- Color coding TIA 568 A&B and Industrial code

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POE, POEP AND DRAFT 4PPOE

Standards

- SYSTEM : ISO11801 Ed2.2 Classe Ea
EIA/TIA 568-C.2 CAT6A
EN 50173: 2011 Classe Ea

Characteristics

DIMENSIONS	13.61 mm x 45.65 mm x 14.1 mm (HxDxW)
CONTACT	Bronze, Platine Ni and Gold plating
COMPENSATION	Double layer PCB
IDC	Bronze + Platine / Cu + SnPb
TERMINATION	Tooless solid wire from AWG26 to AWG23
SHIELD	Zamac 360° ful shielded
HOUSING	Zamac

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
	Operating voltage	≤ 72V DC
ELECTRICAL	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

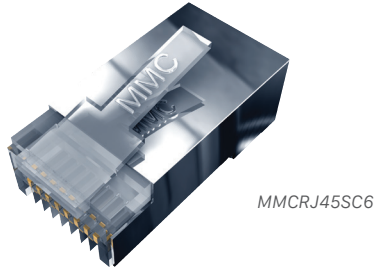
ITEMS	DESCRIPTION	PACKAGING
PLST6AFS	CAT6A full shielded RJ45 plug LINK+ range	Unit



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PLUGS

RJ45 PLUGS



MMCRJ45SC6

Benefits

- High performance plug
- Available in shielded or unshielded, for stranded or solid wires
- Gold plating 50 μ to ensure an excellent conductivity
- Conductors on 2 levels for a good crosstalk
- BW : special plug dedicated to big wire with insulated diameter up to 1.5 mm



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G WITH CAT6A PLUG
- REMOTE POWER : POEP

Standards

- COMPONENT : IEC 60603-7
- SYSTEM : ISO 11801
EIA/TIA 568-C.2
EN 50173-1: 2011

Characteristics

DIMENSIONS	21.52 mm x 11.68 mm x 8.27 mm
CONTACT	Gold plated / 2 prongs for stranded wire Gold Plated / 3 prongs for solid & stranded wires
TERMINATION	SI : Integrated contact Others : Insert bar with unscotched contact
SHIELD	MMCRJ45Sxxx : Copper tinned housing
HOUSING	Crystal polycarbonate

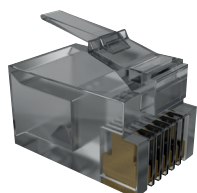
Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Operating temperature	- 40°C to +70°C
ELECTRICAL	Fire rating	UL 94V0

Ordering information

ITEMS	DESCRIPTION	PACKAGING
MMCRJP8ER	CAT5E Unshielded RJ45 modular plug for stranded wire	100
MMCRJP8BLMER	CAT5E Shielded RJ45 modular plug for stranded wire	100
MMCRJ45UC6SI	CAT6 Unshielded RJ45 modular plug for stranded wire with insert integrated	100
MMCRJ45SC6SI	CAT6 Shielded RJ45 modular plug for stranded wire with insert integrated	100
MMCRJ45SC6A	CAT6A Shielded RJ45 modular plug for stranded wire with insert integrated	100
MMCRJ45SC6BW1	CAT6 Shielded RJ45 modular plug for big wire (diameter < 1.5 mm)	100

OTHER PLUGS



RJP64

Benefits

- RJ9, RJ11 or RJ12 plug for flat telephone cable
- Gold plated
- Unshielded plug

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 100MBPS

Standards

- SYSTEM : ISO 11801
EIA/TIA 568-C.2
EN 50173-1: 2011

Characteristics

DIMENSIONS	12.32 mm x 7.62 (RJ9) or 9.6 (RJ11/12) mm x 7.8 mm
CONTACT	Gold plated 2 prongs
TERMINATION	Crimping
SHIELD	Unshielded
HOUSING	Crystal polycarbonate

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Operating temperature	-40°C to +70°C
ELECTRICAL	Fire rating	UL 94V0

Ordering information

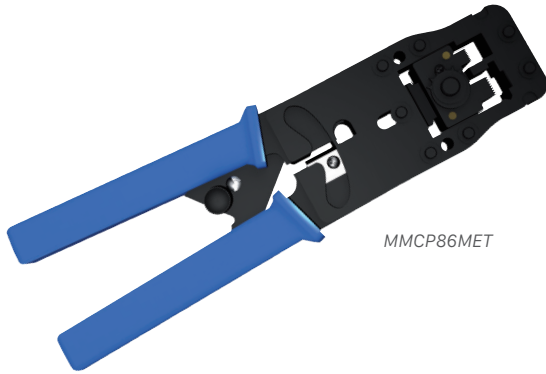
ITEMS	DESCRIPTION	PACKAGING
RJP44	RJ9 plug unshielded for flat cable	100
RJP64	RJ11 plug unshielded for flat cable	100
RJP66	RJ12 plug unshielded for flat cable	100



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PLUGS

CRIMPING TOOLS



Benefits

- Tool for crimping : RJ45 plug (8P8C) or RJ12 plug (6P6C)
- Special tool for intensive use with adjustable crimping pressure
- BW: special tool for plug MMCRJ45SC6BW1 dedicated to big wires



Characteristics

DIMENSIONS	50.5 mm x 13.6 mm x 220 mm
CRIMPING	Gold plating 50µinch
CONSTRUCTION	Steel
HANDLE	Rubber
COATING	Black oxide finished

Properties

ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

ITEMS	DESCRIPTION	PACKAGING
MMCP86MET	Crimping tool for RJ45 and RJ12 plugs	Unit
MMCP86METBW1	Crimping tool for RJ45 plugs big wire (MMCRJ45SC6BW1)	Unit

BOOTS



MRJSR6

Benefits

- Boots for RJ45 plug : for cable diameter 6 mm or for cable diameter up to 7.4 mm
- Available in different color to allow an excellent identification of the port compliant with TIA606

Characteristics

DIMENSIONS	26 mm x 13.7 mm x 8.2 mm for MRJSR6 26 mm x 14.2 mm x 11 mm for MRJBWx1
CABLE DIAMETER	cable diameter from 4 mm to 7.5 mm
COLOR AVAILABLE	Black/Red/Yellow/Green/Grey/Blue
MATERIAL	PVC

Properties

ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

ITEMS	DESCRIPTION	PACKAGING
MRJSR635	Grey boots for RJ45 plug and cable diameter of 6 mm	100
MRJSR6X	Colored boots for RJ45 plug and cable diameter of 6 mm	100
MRJTSX	Colored boots for RJ45 slim type and cable diameter < 6 mm	100
MRJBWN1	Black boots for RJ45 plug big wire (MMCRJ45SC6BW1) cable diameter up to 7.5 mm	100
MRJBWG1	Grey boots for RJ45 plug big wire (MMCRJ45SC6BW1) cable diameter up to 7.5 mm	100

For the color replace x letter by N : black, J : Yellow, R : Red, V : Green, B : Blue



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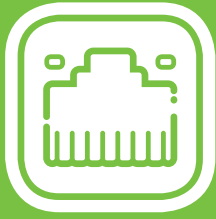
TOOLS AND ACCESSORIES

100%

100%

100%

100%



COPPER SYSTEM

COPPER PATCH CORDS

CATEGORY 6A COPPER PATCH CORDS

Category 6A S/FTP LED patchcords	71
Category 6A U/FTP patchcords	72
Category 6A S/FTP patchcords Link+	73
Category 6A U/UTP patchcords	74

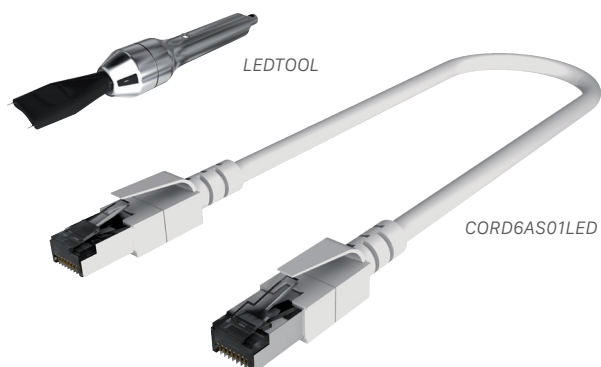
CATEGORY 6 COPPER PATCH CORDS

Category 6 U/FTP patchcords	75
Category 6 F/UTP patchcords Link+	76
Category 6 U/UTP patchcords	77
Category 6 U/UTP patchcords Link+	78

CATEGORY 5E COPPER PATCH CORDS

Category 5E F/UTP patchcords Link+	79
Category 5E U/UTP patchcords Link+	80

CATEGORY 6A S/FTP LED PATCHCORDS



Benefits

- LED identification to allow an easy and quick maintenance in high density cabinet
- Clearly visible from long distance
- Exceed CAT6A standard
- Wire termination on two level to improve the NEXT
- Gold plated 50 μ inch

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA 568-C.2 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

PLUG	RJ45 High performance CAT6A special insert bar on two levels for NEXT compensation
BOOTS	Snagless moulded boots extra flexible
CABLE	Shielded : S/FTP
IDENTIFICATION	LED : Red light

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD6AS01LED	CAT6A LED shielded S/FTP patch cord 1 m	Unit
CORD6AS02LED	CAT6A LED shielded S/FTP patch cord 2 m	Unit
CORD6AS03LED	CAT6A LED shielded S/FTP patch cord 3 m	Unit
CORD6AS05LED	CAT6A LED shielded S/FTP patch cord 5 m	Unit
CORD6AS10LED	CAT6A LED shielded S/FTP patch cord 10 m	Unit
LEDTOOL	LED activation tool	Unit



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CATEGORY 6A COPPER PATCH CORDS



71

71

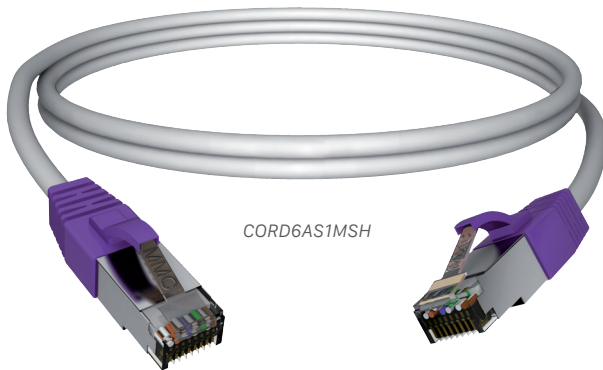
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CATEGORY 6A U/FTP PATCHCORDS



CORD6AS1MSH

Benefits

- 100% component compliant
- Wire termination on two level to improve the NEXT
- Gold plated 50 μ inch
- LSZH jacket and different colors available to allow an identification according to TIA 606A



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA 568-C.2 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

PLUG	RJ45 High performance CAT6A special insert bar on two levels for NEXT compensation
BOOTS	Snagless moulded boots extra flexible
CABLE	Shielded : U/FTP
IDENTIFICATION	Purple boots for CAT6A performance

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD6AS01MSH	CAT6A shielded U/FTP patch cord 1 m	Unit
CORD6AS02MSH	CAT6A shielded U/FTP patch cord 2 m	Unit
CORD6AS03MSH	CAT6A shielded U/FTP patch cord 3 m	Unit
CORD6AS05MSH	CAT6A shielded U/FTP patch cord 5 m	Unit
CORD6AS10MSH	CAT6A shielded U/FTP patch cord 10 m	Unit

For the color replace X letter with : J = yellow or B = blue
For grey standard color, remove x letter

CATEGORY 6A S/FTP PATCHCORDS LINK+



Benefits

- CAT6A link compliant
- Wire termination on two level to improve the NEXT
- Gold plated 50 μ inch
- High EMC thanks to a S/FTP shielding
- LSZH jacket and different colors available to allow an identification according to TIA 606A

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA 568-C.2 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

PLUG	RJ45 High performance CAT6A special insert bar on two levels for NEXT compensation
BOOTS	Snagless moulded boots extra flexible
CABLE	Shielded : S/FTP
IDENTIFICATION	LED : Red light

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD6ASF01xMSH	CAT6A S/FTP RJ45 patch cord 1 m- LSZH LINK+ range	Unit
CORD6ASF02xMSH	CAT6A S/FTP RJ45 patch cord 2 m- LSZH LINK+ range	Unit
CORD6ASF03xMSH	CAT6A S/FTP RJ45 patch cord 3 m- LSZH LINK+ range	Unit
CORD6ASF05xMSH	CAT6A S/FTP RJ45 patch cord 5 m- LSZH LINK+ range	Unit
CORD6ASF10xMSH	CAT6A S/FTP RJ45 patch cord 10 m- LSZH LINK+ range	Unit

For the color replace X letter with : J = yellow or B = blue
For grey standard color, remove x letter



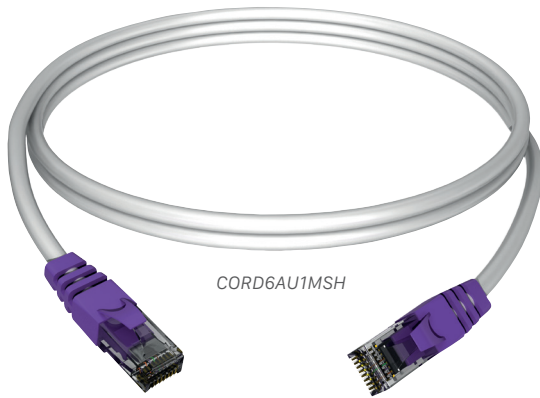
COPPER

CATEGORY 6A COPPER PATCH CORDS

73

73

CATEGORY 6A U/UTP PATCHCORDS



CORD6AU1MSH

Benefits

- 100% component compliant: individual test include in the packaging
- PE cross separator to reduce the crosstalk
- Wire termination on two level to improve the NEXT
- Gold plated 50µ inch
- LSZH jacket and different colors available to allow an identification according to TIA 606A



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA568-C.2 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

PLUG	RJ45 High performance CAT6A special insert bar on two levels for NEXT compensation
BOOTS	Snagless moulded boots extra flexible
CABLE	Unshielded : U/UTP
IDENTIFICATION	Purple boots for CAT6A performance

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD6AU01MSH	CAT6A unshielded U/UTP patch cord 1 m	Unit
CORD6AU02MSH	CAT6A unshielded U/UTP patch cord 2 m	Unit
CORD6AU03MSH	CAT6A unshielded U/UTP patch cord 3 m	Unit
CORD6AU05MSH	CAT6A unshielded U/UTP patch cord 5 m	Unit
CORD6AU10MSH	CAT6A unshielded U/UTP patch cord 10 m	Unit

COPPER

CATEGORY 6A COPPER PATCH CORDS

CATEGORY 6 U/FTP PATCHCORDS



Benefits

- Exceed CAT6 performance
- 100% component compliant
- Wire termination on two level to improve the NEXT
- PVC jacket and different colors available to allow an identification according to TIA 606A

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA 568-C.2
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1: 2011 Class E

Characteristics

PLUG	RJ45 High performance CAT6
BOOTS	Moulded boots extra flexible
CABLE	Shielded : U/FTP
IDENTIFICATION	Colored patch cords

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
TX50405xM	CAT6 shielded U/FTP patch cord 0.5 m	Unit
TX5041xM	CAT6 shielded U/FTP patch cord 1 m	Unit
TX5042xM	CAT6 shielded U/FTP patch cord 2 m	Unit
TX5043xM	CAT6 shielded U/FTP patch cord 3 m	Unit
TX5045xM	CAT6 shielded U/FTP patch cord 5 m	Unit
TX50410xM	CAT6 shielded U/FTP patch cord 10 m	Unit

For the color replace X letter with : J = yellow or B = blue
For grey standard color, remove x letter



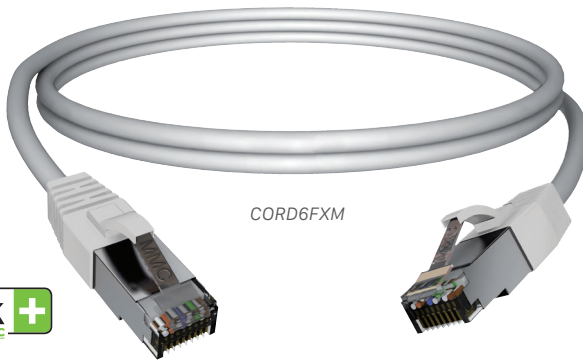
COPPER

CATEGORY 6 COPPER PATCH CORDS



75

CATEGORY 6 F/UTP PATCHCORDS - LINK+



Benefits

- CAT6 link compliant
- Wire termination on two level to improve the NEXT
- Different colors available to allow an identification according to TIA 606A

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA568-C.2
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1 2011 Class E

Characteristics

PLUG	RJ45 High performance CAT6
BOOTS	Moulded boots extra flexible
CABLE	Unshielded : U/UTP
IDENTIFICATION	Coloured patch cords

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD6F01XM	CAT6 F/UTP RJ45 patch cord 1 m- PVC LINK+ range	Unit
CORD6F02XM	CAT6 F/UTP RJ45 patch cord 2 m- PVC LINK+ range	Unit
CORD6F03XM	CAT6 F/UTP RJ45 patch cord 3 m- PVC LINK+ range	Unit
CORD6F05XM	CAT6 F/UTP RJ45 patch cord 5 m- PVC LINK+ range	Unit
CORD6F10XM	CAT6 F/UTP RJ45 patch cord 10 m- PVC LINK+ range	Unit

For the color replace X letter with : J = yellow or B = blue
For grey standard color, remove x letter

CATEGORY 6 U/UTP PATCHCORDS



Benefits

- Exceed CAT6 performance
- 100% component compliant
- Wire termination on two level to improve the NEXT
- LSZH or PVC jacket and different colors available to allow an identification according to TIA 606A

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA568-C.2
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1 2011 Class E

Characteristics

PLUG	RJ45 High performance CAT6
BOOTS	Moulded boots extra flexible
CABLE	Unshielded : U/UTP
IDENTIFICATION	Coloured patch cords

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
VG5041M	CAT6 unshielded U/UTP patch cord 1 m length	Unit
VG5041YM	Colored CAT6 unshielded U/UTP patch cord 1 m length	Unit
VG5042M	CAT6 unshielded U/UTP patch cord 2 m length	Unit
VG5042YM	Colored CAT6 unshielded U/UTP patch cord 2 m length	Unit
VG5043M	CAT6 unshielded U/UTP patch cord 3 m length	Unit
VG5043YM	Colored CAT6 unshielded U/UTP patch cord 3 m length	Unit
VG5045M	CAT6 unshielded U/UTP patch cord 5 m length	Unit
VG5045YM	Colored CAT6 unshielded U/UTP patch cord 5 m length	Unit
VG50410M	CAT6 unshielded U/UTP patch cord 10 m length	Unit
VG50410YM	Colored CAT6 unshielded U/UTP patch cord 10 m length	Unit

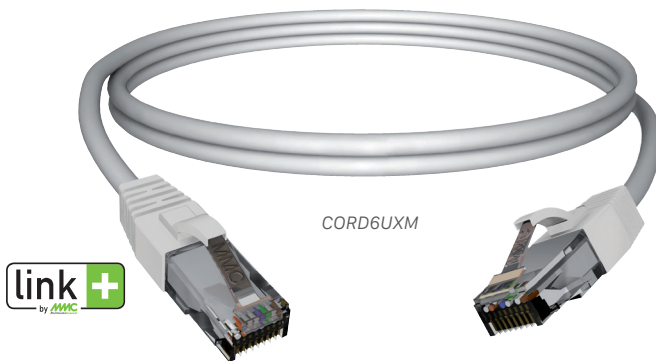
For the color replace X letter with : J = yellow or B = blue. For grey standard color, remove x letter
Add SM at the end of the P/N for LSZH version



COPPER

CATEGORY 6 COPPER PATCH CORDS

CATEGORY 6 U/UTP PATCHCORDS - LINK+



Benefits

- CAT6 link compliant
- Wire termination on two level to improve the NEXT
- Different colors available to allow an identification according to TIA 606A

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

Standards

- COMPONENT : TIA568-C.2
- SYSTEM : ISO 11801 ED2.2 Class E
EIA/TIA 568-C.2 CAT6
EN 50173-1 2011 Class E

Characteristics

PLUG	RJ45 High performance CAT6
BOOTS	Moulded boots extra flexible
CABLE	Unshielded : U/UTP
IDENTIFICATION	Coloured patch cords

Properties

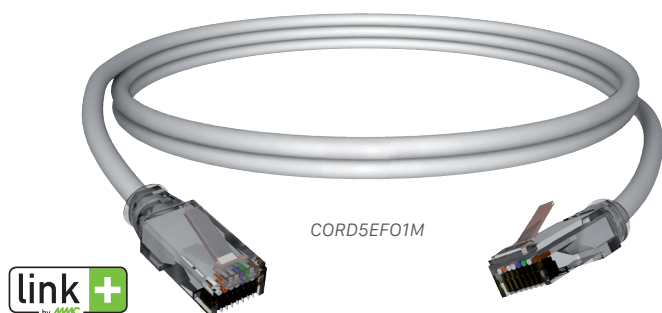
MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD6U01xM	CAT6 U/UTP RJ45 patch cord 1 m- PVC LINK+ range	Unit
CORD6U02xM	CAT6 U/UTP RJ45 patch cord 2 m- PVC LINK+ range	Unit
CORD6U03xM	CAT6 U/UTP RJ45 patch cord 3 m- PVC LINK+ range	Unit
CORD6U05xM	CAT6 U/UTP RJ45 patch cord 5 m- PVC LINK+ range	Unit
CORD6U10xM	CAT6 U/UTP RJ45 patch cord 10 m- PVC LINK+ range	Unit

For the color replace X letter with : J = yellow or B = blue
For grey standard color, remove x letter

CATEGORY 5E F/UTP PATCHCORDS - LINK+



Benefits

- Exceed CAT5e standard specification
- Gold plated
- PVC jacket and different colors available to allow an identification according to TIA 606A

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

Standards

- COMPONENT : TIA 568-C.2
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1 2011 Class D

Characteristics

PLUG	RJ45 shielded high performance CAT5E
BOOTS	Moulded boots extra flexible
CABLE	Shielded : F/UTP
IDENTIFICATION	Coloured patch cords

Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD5EF01XM	CAT5e F/UTP RJ45 patch cord 1 m- LINK+ range	Unit
CORD5EF03XM	CAT5e F/UTP RJ45 patch cord 3 m- LINK+ range	Unit
CORD5EF05XM	CAT5e F/UTP RJ45 patch cord 5 m- LINK+ range	Unit

For the color replace X letter with : J = yellow or B = blue

For grey standard color, remove x letter



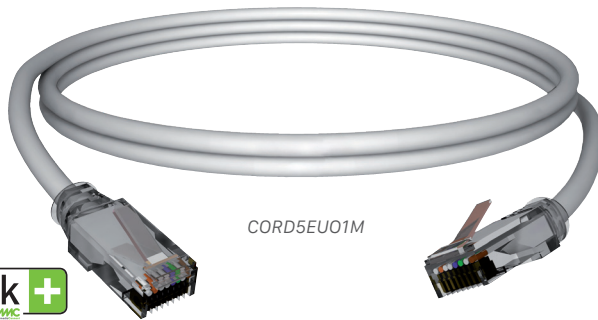
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CATEGORY 5E COPPER PATCH CORDS



79

CATEGORY 5E U/UTP PATCHCORDS



Benefits

- Exceed CAT5e standard specification
- Gold plated
- PVC jacket and different colors available to allow an identification according to TIA 606A



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

Standards

- COMPONENT : TIA 568-C.2
- SYSTEM : ISO 11801 ED2.2 Class D
EIA/TIA 568-C.2 CAT5e
EN 50173-1: 2011 Class D

Characteristics

PLUG	RJ45 shielded high performance CAT5E
BOOTS	Moulded boots extra flexible
CABLE	Unshielded : U/UTP
IDENTIFICATION	Coloured patch cords

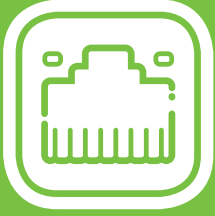
Properties

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CORD5EU01XM	CAT5e U/UTP RJ45 patch cord 1 m Link+ range	Unit
CORD5EU03XM	CAT5e U/UTP RJ45 patch cord 3 m Link+ range	Unit
CORD5EU05XM	CAT5e U/UTP RJ45 patch cord 5 m Link+ range	Unit

For the color replace X letter with : J = yellow or B = blue
For grey standard color, remove x letter



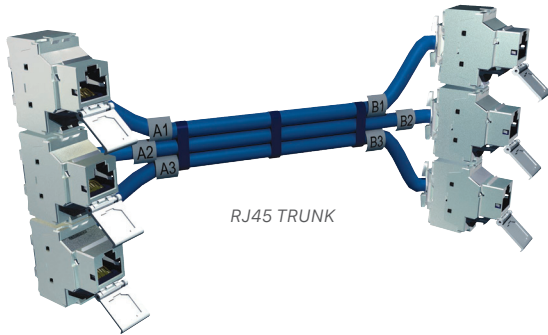
COPPER SYSTEM

COPPER PRE-TERM

RJ45 PRE-TERMINATED LINK

RJ45 trunk	82
Consolidation link	83
Multi-assembly patch cords	84

RJ45 TRUNK



RJ45 TRUNK

Benefits

- Pre-terminated link to allow a reduction of the installation time
- Pre-terminated link on request : lenght, category, shielding
- Each link are tested (test is included)
- Different solutions of cable assemblies are available



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET
- REMOTE POWER : POE

Standards

- SYSTEM : ISO 11801 ED2.2
EIA/TIA 568-C.2
EN 50173-1

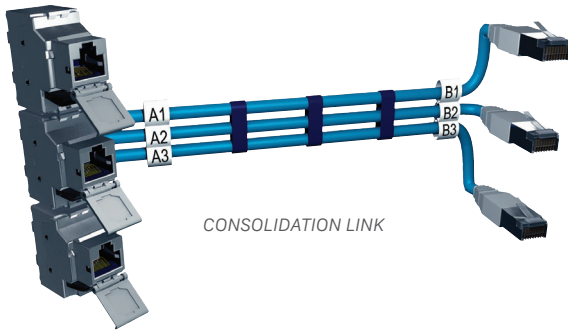
Characteristics

RJ45 JACKS	RJ45 jacks high performance : MK or BC or BCTL
CABLE	Stranded or solid core cable Shielded or unshielded solution
ASSEMBLY	jacketed cables / velcro ties / plastic ties / polyamid braid
TEST	Each link are tested following ISO or TIA standard
IDENTIFICATION	Colored dust shutter and labelling of each link

Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Bending radius	8 x outer diameter
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1

CONSOLIDATION LINK



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET
- REMOTE POWER : POE

Characteristics

RJ45 JACKS	RJ45 jacks high performance : MK or BC or BCTL CAT5E to CAT6A
CABLE	Stranded or solid core cable Shielded or unshielded solution
ASSEMBLY	jacketed cables / velcro ties / plastic ties / polyamid braid
TEST	Each link are tested following ISO or TIA standard
IDENTIFICATION	Colored dust shutter and labelling of each link

Benefits

- Consolidation link offers the solution in case of open space office and gives a modularity on the structured cabling
- Consolidation point can be easily installed on double ceiling or double floor

Standards

- SYSTEM : ISO 11801 ED2.2
EIA/TIA 568-C.2
EN 50173-1

Properties

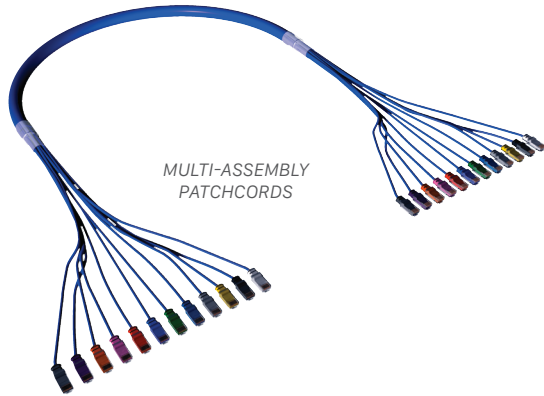
MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Bending radius	8 x outer diameter
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1



COPPER

RJ45 PRE-TERMINATED LINK

MULTI-ASSEMBLY PATCH CORDS



Benefits

- Patch cords assembled in one bundle that allow easiest cabling management
- Straight or harmonica organisation



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET

Standards

- SYSTEM : ISO 11801
EIA/TIA 568-C.2
EN 50173-1

Characteristics

RJ45 JACKS	RJ45 plugs high performance : CAT5E to CAT6A
CABLE	Stranded core cable Shielded or unshielded solution
ASSEMBLY	jacketed cables / velcro ties / plastic ties / polyamid braid
TEST	Can be tested with channel configuration or component
IDENTIFICATION	Colored boots and labelling of each link

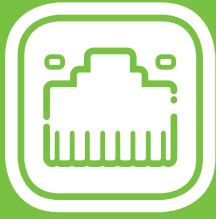
Properties

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Bending radius	8 x outer diameter
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1



COPPER

RJ45 PRE-TERMINATED LINK



COPPER SYSTEM

COPPER ACCESSORIES

RJ45 COUPLERS	
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CATEGORY 6A RJ45 SHIELDED COUPLER



COUPLK6AFS

Benefits

- CAT6A RJ45 Coupler female/female for cross connect or consolidation point
- Shielded coupler with high EMC
- Ensure a Classe Ea performance of the link
- Direct connection without tool



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : CAT6A ETHERNET UP TO 10G
- REMOTE POWER : POEP

Standards

- COMPONENT : IEC 60603-7
- SYSTEM : ISO 11801 ED2.2 Class Ea
EIA/TIA 568-C.2 CAT6A
EN 50173-1: 2011 Class Ea

Characteristics

DIMENSIONS	30 mm x 20.3 mm x 16.4 mm
CONTACT	Gold plated contact
COMPENSATION	Double Layer integrated PCB + Lead frame
HOUSING	Zamac 5

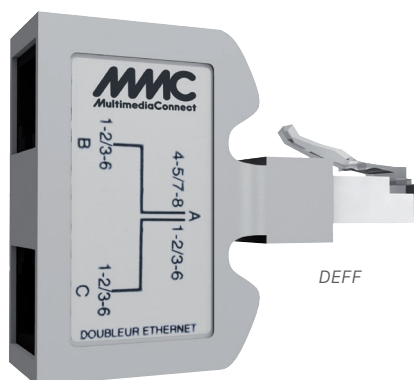
Properties

MECHANICAL	Insertion Cycles	750 cycles min
	Current rating	1.5 A
ELECTRICAL	Insulation resistance	500 mΩ
	Contact resistance	20 mΩ
	Power capacity	≥ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

Ordering information

ITEM	DESCRIPTION	PACKAGING
COUPLK6AFS	CAT6A fully shielded RJ45 coupler female/female	Unit

SPLITTERS



Benefits

- Splitter for Ethernet application
- Allow the connection of two work station in only one socket
- Available for shielded or unshielded link
- Fixed application or mobile application
- Available in CAT5 (pairs 1/2 and 3/6) and CAT3 (pairs 4/5 and 7/8)

Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 100MBPS (CAT5) OR 10MBPS (CAT3)

Standards

- SYSTEM : ISO 11801
TIA 568-C.2 CAT5 / CAT3

Characteristics

DIMENSIONS	43 mm x 38 mm x 20 mm
CONTACT	Gold plated contact
COMPENSATION	PCB
HOUSING	Polycarbonate

Properties

MECHANICAL	Mating Cycles	750 nom
	Operating voltage	≥ 72V D.C
ELECTRICAL	Contact resistance	20 mΩ
	Power capacity	15W
ENVIRONMENTAL	Operating temperature	-10°C to +40°C
	Fire rating	UL 94 V0

Ordering information

ITEMS	DESCRIPTION	PACKAGING
DEFF	Ethernet 1/2 - 3/6 paires splitter 2 female input and 1 male output for fixe application	Unit
DEFM	Ethernet 1/2 - 3/6 paires splitter 2 female input and 1 female output for mobile application	Unit
DTUM	Ethernet 4/5 - 7/8 paires splitter 2 female input and 1 male output for mobil application	Unit
DTUF	Ethernet 4/5 - 7/8 paires splitter 2 female input and 1 female output for fix application	Unit

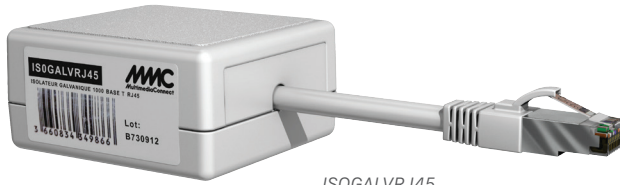


COPPER

RJ45 SPLITTERS

2/2

GALVANIC ISOLATOR



ISOGALVRJ45



Benefits

- Plug and play device to create isolation between network equipments
- Compliant with EN 60601 Medical electrical equipment safety standard
- Equipped with identification icons



Applications

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1GBPS

Standards

- SYSTEM : ISO 11801
TIA 568-C.2
EN 50173-1
EN 60601

Characteristics

DIMENSIONS	64.90 mm x 29.40 mm x 49.90 mm
WEIGHT	58g
COMPENSATION	PCB
SHIELD	Full shielded
HOUSING	ABS

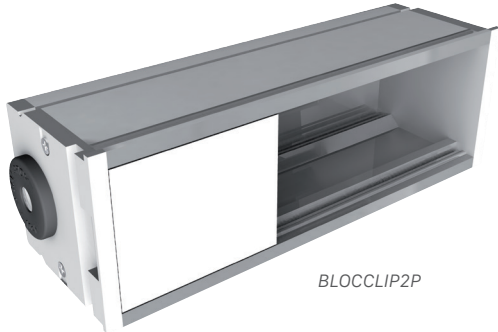
Properties

ELECTRICAL	Voltage withstand	4 KV
	Voltage test	4000 Vrms
	Return Loss of isolation component	< -6 dB @ 100Mhz
	Transmission length	90 m
ENVIRONMENTAL	Operating temperature	0°C to +60°C
	Fire rating	UL 94V0

Ordering information

ITEM	DESCRIPTION	PACKAGING
ISOGALVRJ45	Network galvanic isolator	Unit

ALUMINIUM BOXES



BLOCCLIP2P

Benefits

- Aluminium box to be loaded with 45 x 45 module : data or electrical to allow a modularity on the cabling
- Can be equipped with 2 to 8 modules
- Equipped with a cable gland allow up to 8 cables

Characteristics

DIMENSIONS	2 positions: 145 x 59 mm 3 positions: 190 x 59 mm 4 positions: 235 x 59 mm 5 positions: 280 x 59 mm 6 positions: 325 x 59 mm 7 positions: 370 x 59 mm 8 positions: 415 x 59 mm
COATING	Anodized aluminium natural color

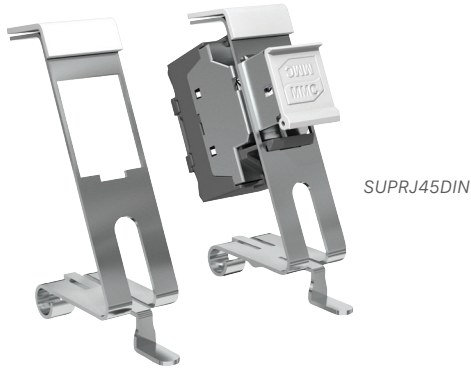
Properties

ENVIRONMENTAL	Operating temperature	0°C to +60°C
	Fire rating	UL 94V0

Ordering information

ITEMS	DESCRIPTION	PACKAGING
BLOCCLIP2P	Aluminium box for 2 45 x 45 mm module	Unit
BLOCCLIP3P	Aluminium box for 3 45 x 45 mm module	Unit
BLOCCLIP4P	Aluminium box for 4 45 x 45 mm module	Unit
BLOCCLIP5P	Aluminium box for 5 45 x 45 mm module	Unit
BLOCCLIP6P	Aluminium box for 6 45 x 45 mm module	Unit
BLOCCLIP7P	Aluminium box for 7 45 x 45 mm module	Unit
BLOCCLIP8P	Aluminium box for 8 45 x 45 mm module	Unit

DIN RAIL SUPPORTS



Benefits

- RJ45 support for DIN RAIL
- Allow the fixation of RJ45 connector on DIN RAIL
- Support available for 1 or 8 connectors



Characteristics

DIMENSIONS	Support 1 connector : 51.2 x 40.2 x 18 (H x D x W)
MATERIAL	Stainless steel 1.5 mm

Ordering information

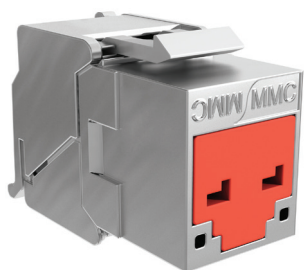
ITEMS	DESCRIPTION	PACKAGING
SUPRJ45DIN	DIN RAIL support for 1 RJ45 connector	Unit



COPPER

DIN RAIL SUPPORTS

LOCKING SYSTEM RJ45 PORT



LOCKRJ45R



Benefits

- Allows the locking of unused RJ45 ports in order to secure the network against not desired connection/deconnection
- Security of patch panel or faceplate
- Unlocked with a key
- Can be adapted on all RJ45 jack (BC and MK)

Characteristics

DIMENSIONS	9.94 mm x 10.5 mm x 11.6 mm (H x D x W)
MATERIAL	Polycarbonate
COLOR AVAILABLE	Red / green / yellow / white

Ordering information

ITEMS	DESCRIPTION	PACKAGING
LOCKRJ45R	Red RJ45 port blocker	Unit



COPPER

ACCESSORIES

100



FIBER SYSTEM

FIBER OPTIC CABLES

INDOOR FIBER OPTIC CABLE

Zipcord or round duplex patch	93
Round drop cable DC1C / DC4C	94
Zipcord drop cable MMCDARPxC	95
Riser cable - oval RCO	96
MultixR BREAK OUT tight buffered cable	97

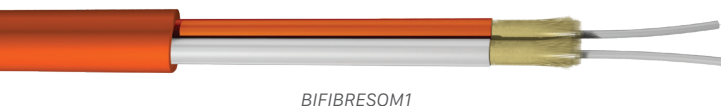
INDOOR/OUTDOOR FIBER OPTIC CABLE

Tight buffered FOLIVE	98
Tight buffered MULTixIE	99
Bundle tight buffered MULTixIE MC	100
Central loose tube cable INTEX	101
Multi loose tube cable INTEX MT FR	102
Ruggedised CT cable FOFIRE	103

OUTDOOR FIBER OPTIC CABLE

Dielectric aerial CT cable EXT CT	104
Multi loose tubes cable EXT MT	105
Central tube armoured cable EXTAL CT	106
Armoured MULTI TUBES cable EXTAL MT	107

ZIPCORD OR ROUND DUPLEX PATCH CABLE



BIFIBRESOM1

Benefits

- 4 cable structures available with LSZH jacket :
 - Zipcord (BIFIBREOHAL)
 - Flat duplex (BIFIBRES)
 - Round duplex (BIFIBRESR)
 - Armored duplex (BIFIBREA)

Applications

- DATA : ETHERNET up to 400G
- Direct termination, pigtails and patch cords

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3) A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm OM2/OM3/OM4/OM5 : 50 µm / 125 µm OS2/G652D/G657A : 9 µm / 125 µm
COATING	250 µm PMMA & 900 µm colored (Following IEC 304) thermoplastic
ASSEMBLY	BIFIBREOHAL : 2 zipcord fibers with LSZH sheath BIFIBRES : 2 zipcord fibers in a 3rd LSZH sheath BIFIBRESR : 2 fibers in a round LSZH sheath BIFIBREA : 2 armored zipcord fibers in LSZH sheath
PROTECTION	Reinforced with aramid yarns and/or steel armor
SHEATH	LSZH

Properties

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Permanent)	BIFIBREOHAL : 400N BIFIBRES : 500N BIFIBRESR : 250N BIFIBREA : 500N
	Crush resistance	BIFIBREOHAL : 1000N BIFIBRES : 1500N BIFIBRESR : 500N BIFIBREA : 3000N
	Rodent index	Light (Zip, Flat, round) medium/high (Armored)

Ordering information

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (mm)	PACKAGING (m)
BIFIBREOHALX	Zipcord 2 x OMx or OSx cable	LSZH Fca	2.8 x 5.9	D1000
BIFIBRESX	Flat duplex 2 x OMx or OSx cable		3.8 x 7.0	D1000
BIFIBRESRX	Round duplex 2 x OMx or OSx cable	LSZH Dca	3.0	D1000
BIFIBREA	Armored zipcord 2 x OMx or OSx cable		2.8 x 5.6	D1000

Replace X by: (OM1, OM2, OM3, OM4, OM5, OS2, 7A1 (for G657A1, 7A2 for G657A2) 655 (for G655)

Color of sheath as below : Orange RAL 2003 for OM1, Violet RAL 4005 for OM2, Aqua RAL 6027 for OM3 Erica Violet RAL 4003 for OM4 Lime green Pantone 381C for OM5, Yellow RAL 1021 for all singlemode types OS2, G657, G655.

ROUND DROP CABLE DC1C / DC4C



DC4C

Benefits

- Good mechanical resistance
- Suitable for FTTx applications
- Two cables available :
 - 1 core cable
 - 4 cores cable



Applications

- Indoor applications in the FTTx network

Standards

- OPTICAL FIBER : **SM** : IEC 60793-2-50 B6.a (G657A2)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EN 50173, EIA/TIA 568-C.3

Characteristics

CORE	G657 A2: 9 µm / 125 µm
COATING	250 µm PMMA & 900 µm colored (Following IEC 304) thermoplastic
ASSEMBLY	1 or 4 cores reinforced with aramid yarns assembled into a round LSZH sheath
PROTECTION	Reinforced with aramid yarns
SHEATH	LSZH

Properties

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Permanent)	200N
	Crush resistance	500N
	Rodent index	Light
ENVIRONMENTAL	Operating temperature	-20°C to +60° C
	Fire rating	IEC 60332-1-2
	Smoke emission	IEC 60754-1 F5

Ordering information

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (mm)	PACKAGING (m)
DCXC	X x G657A2	LSZH white RAL 9003	4.0	Reel in Box 1000 or D1000

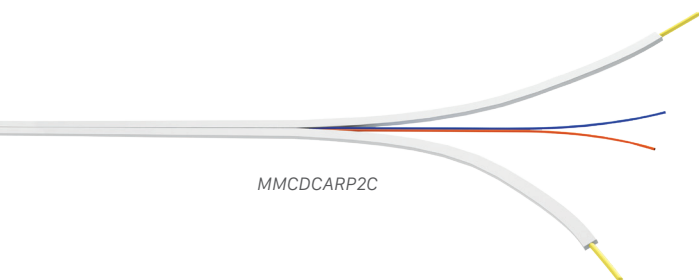
X replace by total number of fibers 1 or 4



FIBER

INDOOR FIBER OPTIC CABLE

ZIPCORD DROP CABLE MMDCARPXC



Benefits

- Low radius curvature and low friction
- Suitable for FTTx applications
- Flame retardant

Applications

- Indoor applications in the FTTx network

Standards

- OPTICAL FIBER : **SM** : IEC 60793-2-50 B6.a (G657A2)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EN 50173, EIA/TIA 568-C.3

Characteristics

CORE	G657 A2: 9 µm / 125 µm
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central position
PROTECTION	2 aramid reinforced plastic strength members
SHEATH	LSZH White

Properties

MECHANICAL	Bending Radius (mm)	20 x OD
	Tensile Load (Installation/Permanent)	100N/50N
	Crush resistance	500N
	Rodent Index	none
ENVIRONMENTAL	Operating temperature	-30°C to +60° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1 F5

Ordering information

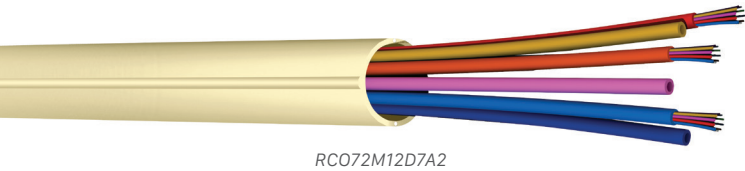
ITEM	FIBERS	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
MMDCARP1C	1 x G657A2			
MMDCARP2C	2 x G657A2	White LSZH	2.0 x 3.1	D1000
MMDCARP4C	4 x G657A2			



FIBER

INDOOR FIBER OPTIC CABLE

RISER CABLE - OVAL RCO



RCO72M12D7A2

Benefits

- Ideal to collect fiber strings in the backbone
- From 6 to 288 fibres
- Easy to strip soft micro tubes
- Tubes with jelly or dry
- types of oval sheath, PVC, LSZH, PE



Applications

- FTTh applications, vertical cabling
- Allows to collect fiber strings per floor

Standards

- Optical fiber : **SM**: IEC 60793-2-50 B6.a (G657A2)
- Optical Cable : IEC 60794
- Optical System : ISO 11801, EN 50173, EIA/TIA 568-C.3

Characteristics

CORE	G657 A2: 9 µm / 125 µm
COATING	250 µm PMMA colored (Following France Telecom) thermoplastic
ASSEMBLY	Each string is laid inside a soft micro tube Up to 12 strings inside each soft tube Tubes assembled into a PVC/LSZH/PE sheath A cutting edge shows where to peel off jacket
PROTECTION	Jelly or dry, 2 FRP inside the sheath
SHEATH	PVC, LSZH, PE

Properties

MECHANICAL	Bending Radius	25 x OD
	Tensile Load (Permanent)	710N
	Crush resistance	1000N
	Rodent index	none
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	Fire rating	IEC 60332-1
	Smoke emission	IEC 60754-1 F5

Ordering information

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (mm)	PACKAGING (m)
RCOXXXAAMSSYZZS	xxx FO zzz INT RISER LSZH Eca	Ivory - Ral 1015	8.5 to 17.8	D1000 / D2000
RCOXXXAAMSSYZZD	xxx FO zzz INT RISER LSZH Dca	White - Ral 9016		
RCOXXXAAMSSYZZP	xxx FO zzz INT RISER PE Fca	Black - Ral 9005		

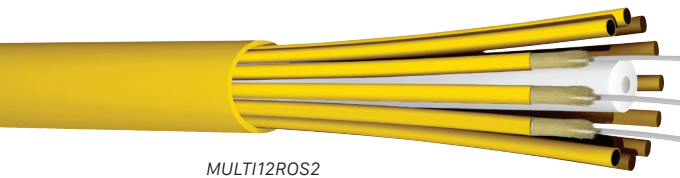
xxx replace by total number of fibers
 aa replace by number of soft micro tube
 y replace by D for Dry or G for Jelly filled
 ss replace by number of fibers inside soft micro tube
 zzz replace by type of fiber (example 7A2)



FIBER

INDOOR FIBER OPTIC CABLE

MULTIXR BREAK OUT TIGHT BUFFERED CABLE



MULTI12ROS2



Benefits

- Best in class pulling resistance
- Up to 24fo
- Individually protected with aramid yarns
- Flame retardant

Applications

- DATA : Ethernet up to 400G
- Ideal for backbone cabling
- Indoor links or protected outdoor links
- For building interconnection,
- Installation in trunkings or cable ducts

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 μm / 125 μm glass fiber OM2/OM3/OM4/OM5: 50 μm / 125 μm glass fiber OS2/G652D/G657 : 9 μm / 125 μm glass fiber
COATING	250 μm PMMA & 900 μm colored (Following IEC 304) thermoplastic
ASSEMBLY	900mm fibers are laid inside numbered OD 2.50mm LSZH jackets. Each fibre is assembled inside an overall LSZH sheath around a central strength member
PROTECTION	Reinforced with aramid yarns
SHEATH	LSZH colored as per below table

Properties

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Permanent)	1000N(2fo) - 1350N (4fo) 2050N (6fo) - 2700N (8fo) 3500N (12-16fo)
	Crush resistance	2000N
	Rodent index	Light
ENVIRONMENTAL	Operating temperature	-20°C to +50° C
	Fire rating	IEC 60332-1
	Smoke emission	IEC 60754-1 F5

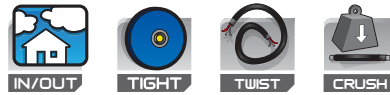
Ordering information

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (mm)						PACKAGING (m)
			2 FO	4 FO	6 FO	8 FO	12 FO	16 FO	
MULTI XX R YYY	xx* x OM1	Blue LSZH RAL 5015	8.1	8.1	9.6	11.5	15	14.8	D1000
	xx* x OM2	Violet LSZH RAL 4005							
	xx* x OM3	Turquoise LSZH RAL 6027							
	xx* x OM4	Turquoise LSZH RAL 6027							
	xx* x OM5	Lime green LSZH							
	xx* x OS2	Yellow LSZH RAL 1021							
	xx* x G657	Yellow LSZH RAL 1021							

Replace XX by total number of fibers from 2 to 24

Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)

TIGHT BUFFERED FOLIVE



FOLIVE4OS2

Benefits

- Low radius curvature and low friction
- Suitable for repetitive movements
- Ideal for field and broadcasting installations
- Weather proof



Applications

- DATA : Ethernet up to 400G
- Indoor/outdoor applications
- Fiber to the Plant & harsh environment
- Durect buried installations

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4/OM5 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA & 900 µm colored (Following IEC 304) thermoplastic
ASSEMBLY	Tight buffered fibers enclosed in a Polyurethan sheath
PROTECTION	Aramid yarns
SHEATH	PUR black, UV resistant

Properties

MECHANICAL	Bending Radius (mm)	6 x OD
	Tensile Load (Installation/Permanent)	700N
	Crush resistance	2000N
	Rodent Index	Medium
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1 F5

Ordering information

ITEM	FIBERS	SHEATH	OUTER DIAMETER (mm)	PACKAGING (m)
FOLIVE XX YYY	xx FO Folive yyy	Black RAL 9005	From 5.0 to 8.2mm	D1000 - D2000

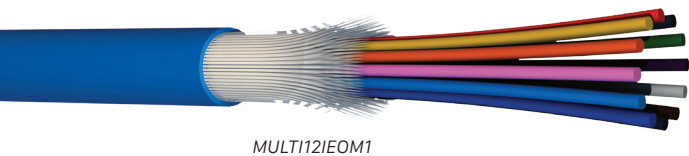
XX replace by total number of fibers from 4 to 12
 YYY replace by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)



FIBER

INDOOR/OUTDOOR FIBER OPTIC CABLE

TIGHT BUFFERED MULTIXIE



Benefits

- Tight buffered fiber for direct termination
- Light rodent protection and water tightness
- Flame retardant

Applications

- DATA : Ethernet up to 400G
- Indoor links or protected outdoor links
- For building interconnection,
- Installation in trunkings or cable ducts

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 μm / 125 μm glass fiber OM2/OM3/OM4/OM5: 50 μm / 125 μm glass fiber OS2/G652D/G657 : 9 μm / 125 μm glass fiber
COATING	250 μm PMMA & 900 μm colored (Following IEC 304) thermoplastic
ASSEMBLY	Tight buffered fibers enclosed in a LSZH sheath
PROTECTION	Water resistant glass yarns
SHEATH	LSZH

Properties

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Permanent)	for 2 & 4 fibers : 800N for 6 & 8 fibers : 1000N for 12 fibers : 1200N for 24 fibers : 1400N
	Crush resistance	1000N
	Rodent Index	Light
ENVIRONMENTAL	Operating temperature	-20°C to +50° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1

Ordering information

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)						PACKAGING (M)
			2 FO	4 FO	6 FO	8 FO	12 FO	24 FO	
MULTI XX YYY Z	xx* x OM1	Blue LSZH RAL 5015	5.0	5.6	6.3	7.1	7.6	13.0	D1000
	xx* x OM2	Violet LSZH RAL 4005							
	xx* x OM3	Turquoise LSZH RAL 6027							
	xx* x OM4	Turquoise LSZH RAL 6027							
	xx* x OM5	Lime green LSZH							
	xx* x OS2	Yellow LSZH RAL 1021							
	xx* x G657	Yellow LSZH RAL 1021							

Replace XX by total number of fibers from 2 to 24

Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)

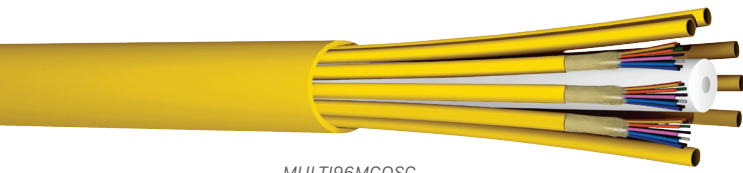
Replace Z by C for Cca



FIBER

INDOOR/OUTDOOR FIBER OPTIC CABLE

BUNDLE TIGHT BUFFERED MULTIXIE MC



MULTI96MCOSC

Benefits

- Tight buffered fiber for direct termination
- Bundle of several cables to be pulled at once
- Light rodent protection and water tightness
- Flame retardant



Applications

- DATA : Ethernet up to 400G
- Ideal for backbone cabling
- Indoor links or protected outdoor links
- For building interconnection,
- Installation in trunkings or cable ducts

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801 - EIA/TIA 568-C.3 EN 50173

Characteristics

CORE	OM1 : 62.5 μm / 125 μm glass fiber OM2/OM3/OM4/OM5: 50 μm / 125 μm glass fiber OS2/G652D/G657 : 9 μm / 125 μm glass fiber
COATING	250 μm PMMA & 900 μm colored (Following IEC 304) thermoplastic
ASSEMBLY	4, 6 or 8 sub cables around a central strenght member and covered by a LSZH sheath
PROTECTION	Aramid yarns inside each distribution cable
SHEATH	LSZH colored as per below table

Properties

MECHANICAL	Bending Radius (mm)	20 x OD
	Tensile Load (Installation)	2300N (36-48fo) 3400N (72fo) 3500N (96fo)
	Crush resistance	1500N
	Rodent Index	none
ENVIRONMENTAL	Operating temperature	-20°C to +70° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1 F5

Ordering information

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (mm)				PACKAGING (m)
			36 FO	48 FO	72 FO	96 FO	
MULTI XX MC YYY Z	xx* x OM1	Blue LSZH RAL 5015	16.0	16.0	19.6	23	D1000
	xx* x OM2	Violet LSZH RAL 4005					
	xx* x OM3	Turquoise LSZH RAL 6027					
	xx* x OM4	Turquoise LSZH RAL 6027					
	xx* x OM5	Lime green LSZH					
	xx* x OS2	Yellow LSZH RAL 1021					
xx* x G657	Yellow LSZH RAL 1021						



FIBER

INDOOR/OUTDOOR FIBER OPTIC CABLE

CENTRAL LOOSE TUBE CABLE INTEX



INTEX12 OM3



Benefits

- Medium rodent protection
- Good watertightness for universal use
- Black LSZH sheath for UV resistance
- Flame retardant

Applications

- DATA : Ethernet up to 400G
- Indoor links
- For inter-building links, to be installed in trunkings
- Termination requires fan-out kit

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4/OM5 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central tube PBT filled with Gel
PROTECTION	Water resistant glass yarns
SHEATH	LSZH Black RAL 9005

Properties

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Installation/Permanent)	1200N
	Crush resistance	3000N
	Rodent Index	Medium
ENVIRONMENTAL	Operating temperature	-20°C to +70° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1
	Fluid penetration	IEC 60794-1-2 F5

Ordering information

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (mm)		PACKAGING (m)
			2-12 FO	24 FO	
INTEX XX YYY Z	xx* x OM1	Black LSZH RAL 9005	6.5	8.1	D1000
	xx* x OM2				
	xx* x OM3				
	xx* x OM4				
	xx* x OM5				
	xx* x OS2				
xx* x G657	D6000				

Replace XX by total number of fibers from 2 to 24

Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)

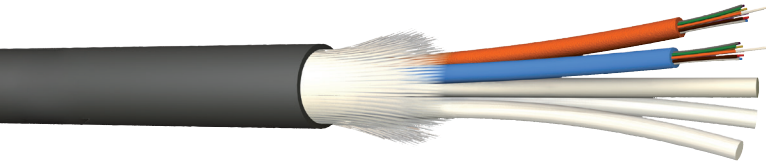
Replace Z by C for Cca



FIBER

INDOOR/OUTDOOR FIBER OPTIC CABLE

MULTI LOOSE TUBE CABLE INTEX MT FR



INTEXMTFR24OM4



Benefits

- Low radius curvature and low friction
- Suitable for FTtx applications
- Flame retardant



Applications

- DATA : Ethernet up to 400G
- Indoor or indoor links
- For inter-building links, to be installed in trunkings
- Termination requires fan-out kit

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4/OM5 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	6 or 12 PBT tubes around a central strength member and covered by a LSZH sheath
PROTECTION	Water resistant glass yarns
SHEATH	LSZH Black RAL 9005

Properties

MECHANICAL	Bending Radius (mm)	20 x OD
	Tensile Load (Installation/Permanent)	2700N/1600N
	Crush resistance	3000N
ENVIRONMENTAL	Rodent Index	none
	Operating temperature	-40°C to +70° C
	Fire Rating	IEC 60332-3
	Smoke emission	IEC 60754-1 F5

Ordering information

ITEMS	SHEATH	OUTER DIAMETER (mm)							PACKAGING (m)
		24 FO	36 FO	48 FO	60 FO	72 FO	96 FO	144 FO	
INTEX MT FR XX YYY	Black LSZH RAL 9005		11.1		12.4		14.3	17.8	D1000 D2000 D4000

Replace XX by total number of fibers 24, 36, 48, 60, 72, 96, 144

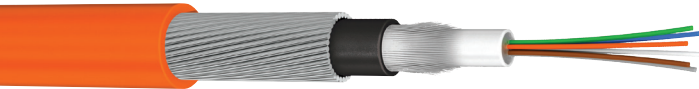
Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)



FIBER

INDOOR/OUTDOOR FIBER OPTIC CABLE

RUGGEDISED CT CABLE FOFIRE



FOFIRE06OM3



Benefits

- Fire resistance & flame retardant
- Rodent protection
- Waterproof
- Flame retardant

Applications

- DATA : Ethernet up to 400G
- Outdoor or indoor interconnections
- For inter-building links, direct buried
- Termination requires fan-out kit

Standards

- Optical fiber :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3) A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4/OM5 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central PBT tube filled with jelly
PROTECTION	Water resistant glass yarns steel wire armour
SHEATH	LSZH inner black sheath UV resistant LSZH outer orange sheath

Properties

MECHANICAL	Bending Radius (mm)	20 x OD
	Tensile Load (Installation/Permanent)	2500N/900N
	Crush resistance	3000N
	Rodent Index	Strong
ENVIRONMENTAL	Operating temperature	-40°C to +80° C
	Fire Rating	IEC 60332-3
	Smoke emission	IEC 60754-1 F5

Ordering information

ITEM	FIBERS	SHEATH	OUTER DIAMETER (mm)		PACKAGING (m)
FOFIRE XX YYY	xx FOFIRE YYY	Orange	2-12 FO 11.0	24 FO 12.0	D1000 D2000

Replace XXX by total number of fibers , 4, 6, 8, 12, 24

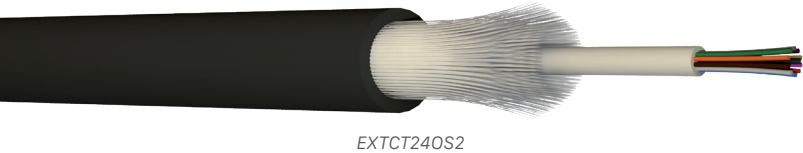
Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)



FIBER

INDOOR/OUTDOOR FIBER OPTIC CABLE

DIELECTRIC AERIAL CT CABLE EXT CT



EXTCT240S2

Benefits

- Good rodent protection
- Excellent watertightness
- Totally dielectric armoured
- Black PE sheath for UV resistance



Applications

- DATA : Ethernet up to 400G
- Outdoor links only
- Termination requires fan-out kit

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4/OM5 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central tube PBT filled with Gel
PROTECTION	Water resistant glass yarns
SHEATH	UV Resistant PEHD Black RAL 9005

Properties

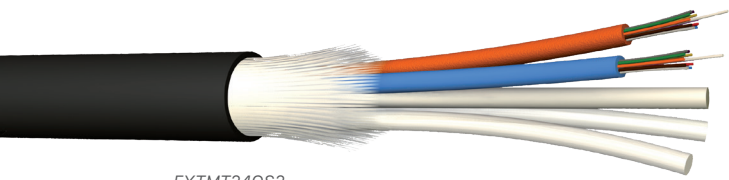
MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Installation/Permanent)	2500N / 1500N
	Crush resistance	4000N
ENVIRONMENTAL	Rodent Index	Strong
	Operating temperature	-40°C to +70° C
	Fire Rating	-
	Fluid penetration	IEC 60794-1-2 F5

Ordering information

ITEMS	SHEATH	OUTER DIAMETER (MM)		PACKAGING (m)
		2-12 FO	24 FO	
EXTCT XX YYY	Black PEHD RAL 9005	7.6	8.8	D1000 D2000 D4000

Replace XX by total number of fibers from 2, 4, 6, 8, 12, 24
 Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)

MULTI LOOSE TUBES CABLE EXT MT



EXTMT240S2



BENEFITS

- Good rodent protection
- Excellent watertightness
- Totally dielectric armoured
- Multi-tube cable can hold up to 144 cores
- Black PE sheath for UV resistance

Applications

- DATA : Ethernet up to 400G
- Outdoor links only
- Termination requires fan-out kit

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4/OM5 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Multi tube PBT filled with Gel around a central strength member (CSM)
PROTECTION	Water resistant glass yarns
SHEATH	UV Resistant PEHD Black RAL 9005

Properties

MECHANICAL	Bending radius	20 x OD
	Tensile load (Installation/Permanent)	2700N / 1600N
	Crush resistance	4000N
	Rodent index	Strong
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	Fire rating	-
	Fluid penetration	IEC 60794-1-2 F5

Ordering information

ITEMS	SHEATH	OUTER DIAMETER (MM)				PACKAGING (m)
		24-48 FO	60-72 FO	96 FO	144 FO	
EXTMT XXX YYY	Black PEHD RAL 9005	10.6	11.9	13.8	17.3	D1000 D2000 D4000

Replace XXX by total number of fibers 36, 48, 72, 96

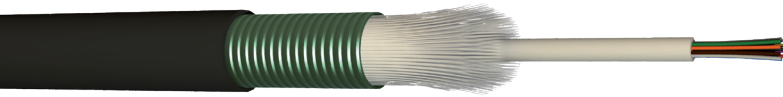
Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)



FIBER

OUTDOOR FIBER OPTIC CABLE

CENTRAL TUBE ARMoured CABLE EXTAL CT



EXTALCT24OM3

Benefits

- Excellent rodent protection
- Excellent water tightness
- High crush resistance
- Can be buried without protection
- Black PE sheath for UV resistance



Applications

- DATA : Ethernet up to 400G
- Outdoor links only, DIRECT buried
- Termination requires fan-out kit

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1) A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central tube PBT filled with Gel
PROTECTION	Water resistant glass yarns and corrugated steel tape
SHEATH	UV Resistant PEHD Black RAL 9005,

Properties

MECHANICAL	Bending radius	20 x OD
	Tensile load (Installation/Permanent)	2500N / 1500N
	Crush resistance	5000N
	Rodent index	Very strong
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	EXTALCT1250SHC1 Fire rating	NFC 32070 C1
	Fluid penetration	IEC 60794-1-2 F5

Ordering information

ITEMS	SHEATH	OUTER DIAMETER (MM)		PACKAGING (m)
		2-12 FO	2-24 FO	
EXTALCTXXYYY	Black PEHD RAL9005	7.4	9.0	D1000

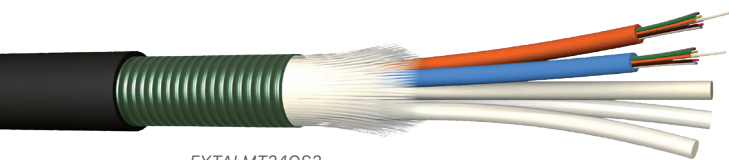
* Replace xx by the number of fiber (2, 4, 6, 8, 12 or 24)
Replace yyy by OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)



FIBER

OUTDOOR FIBER OPTIC CABLE

ARMOURED MULTI TUBES CABLE EXTAL MT



EXTALMT240S2



Benefits

- Excellent rodent protection
- Excellent watertightness
- High crush resistance
- Can be buried without protection
- UV resistance

Applications

- DATA : Ethernet up to 400G
- Outdoor links only, direct buried
- Termination requires fan-out kit

Standards

- OPTICAL FIBER :
 - MM** IEC 60793-2-10 : A1b (OM1), A1a.1 (OM2), A1a.2 (OM3), A1a.3 (OM4), A1a.4 (OM5)
 - SM** IEC 60793-2-50 : B1.3 (OS2, G652 D) B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801, EIA/TIA 568-C.3, EN 50173

Characteristics

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4/OM5 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Multi tube PBT filled with jelly around a central strength member
PROTECTION	Water resistant glass yarns and corrugated steel tape
SHEATH	UV Resistant PEHD Black RAL 9005

Properties

MECHANICAL	Bending radius	20 x OD
	Tensile Load (Installation/Permanent)	3600N / 2000N
	Crush resistance	2500N
ENVIRONMENTAL	Rodent index	Very strong
	Operating temperature	-40°C to +70°C
	Fire rating	-
	Fluid penetration	IEC 60794-1-2 F5

Ordering information

ITEMS	SHEATH	OUTER DIAMETER (mm)							PACKAGING (m)	
		24 FO	36 FO	48 FO	60 FO	72 FO	96 FO	144 FO		288 FO
EXTALMT XXX YYY	Black PEHD RAL 9005	10.0		13.0			15.6	18.0		D1000 - D2000

Replace XXX by total number of fibers 36, 48, 60, 72, 96, 144, 288

Replace YYY by the type of fiber : OM1, OM2, OM3, OM4, OM5, OS2, 7A2 (G657A2)



FIBER

OUTDOOR FIBER OPTIC CABLE



FIBER SYSTEM

FIBER OPTIC CONNECTIVITY

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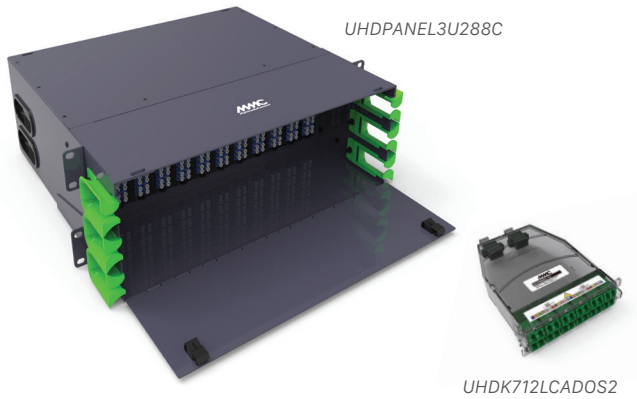
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LC adapters	135
SC shuttered adapters	136
SC adapters	137
FC adapters	138
ST adapters	139

UHD PANEL 3U 288 FO



Benefits

- 19" 3U chassis for 12 cassettes / adapter plates
- Front patchcord full protection with the door
- Side management thanks to open rings each side
- Rear full access thanks to a back cover
- Modularity via 12 cassettes or adapter plates

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL PERFORMANCES : IEC-61754-20, IEC-61754-14, IEC-61754-7
- OPTICAL SYSTEM : ISO/IEC 11801 2nd Edition, EN 50173, IEEE 802.3ae, TIA/EIA-604-5

Characteristics

DIMENSIONS	Width 482.6 mm (19") x depth 426 mm x height 130 mm (3U)
MATERIAL	Steel metal sheet 12/10 and AL Electrostatic powder coating dark grey RAL 7016
FEATURES	19" fixed chassis for 12 cassettes or adapter plates
INPUT / OUTPUT	2 oval rubber each side at back 12 UHD cassettes front output or 12 UHD adapter plate front output

Properties

MECHANICAL	Net weight (unloaded)	4.457 Kg
OPTICAL	Compatible adapters :	SCS, LCD, MTP®S
	Maximum density	288 fo over 12 cassettes
ENVIRONMENTAL	Temperature range	-5°C + 40°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
UHD PANEL 3U 288C	Empty UHD 3U chassis with front patching rings	Unit
UHD K7 MTP 12 YYY ZZZ	UHD cassettes 24fo MTP® fully loaded	Unit
UHD K7 MPO 12 YYY ZZ	UHD cassettes 24fo MPO fully loaded	Unit
UHD FE XX A YYYY WWWW	Loaded UHD adapter plates	Unit

Replace XX by the number of adapters, 6 or 12

Replace YYYY by the type of adapters : 6 adapters : ST, FC; 12 adapters : LCD, LCAD, MTP®S

Replace WWWW by the color of adapters: MUL (beige) MONO (blue for UPC, green for APC) OM3 (aqua) OM4 (Erica violet), OM5 (lime green)

Replace ZZZ by the performances of the fibers: OM3, OM4, OM5, OS2

UHD PANEL 1U 144 FO



Benefits

- 19" 1U telescopic for 12 x MTP® 12C cassettes
- 3 independant layers of 4 cassettes
- Front patchcord full protection with the door
- Side management thanks to open rings each side
- Rear full access thanks to a back cover



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL Performances : IEC-61754-20, IEC-61754-14, IEC-61754-7
- OPTICAL System : ISO/IEC 11801 2nd Edition, EN 50173, IEEE 802.3ae, TIA/EIA-604-5

Characteristics

DIMENSIONS	Width 482.6mm (19") x depth 384 mm x height 44.3mm (1U)
MATERIAL	Steel metal sheet 12/10 and AL Electrostatic powder coating dark grey RAL 7016
FEATURES	19" telescopic panel for 12 MTP® cassettes
INPUT / OUPUT	2 large opening each side at back 12 UHD cassettes front output

Properties

MECHANICAL	Net weight (unloaded)	4.457 Kg
OPTICAL	Compatible adapters :	LCD, LCAD
	Maximum density	144 fo over 12 cassettes
ENVIRONMENTAL	Temperature range	-5°C + 40°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
UHD PANEL 1U 144C	Empty UHD 1U telescopic panel with front patching rings	Unit
UHD K7 MTP 06 YYY ZZZ	UHD cassettes 12fo MTP® fully loaded	Unit
UHD K7 MPO 06 YYY ZZ	UHD cassettes 12fo MPO fully loaded	Unit

Replace YYYY by the type of adapters : 6 adapters : ST, FC; 12 adapters : LCD, LCAD, MTP®S
 Replace ZZZ by the performances of the fibers: OM3, OM4, OM5, OS2



FIBER

FIBER OPTIC PATCH PANELS

DC PANEL 1U



DCPANEL1U

Benefits

- 19" telescopic rail opening system panel
- Front patchcord full protection
- Side management thanks to open rings each side
- Rear full access thanks to a back cover
- Modularity with via cassettes or adapter plates

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL PERFORMANCES : IEC-61754-20, IEC-61754-14, IEC-61754-7
- OPTICAL SYSTEM : ISO/IEC 11801 2nd Edition, EN 50173, IEEE 802.3ae, TIA/EIA-604-5

Characteristics

DIMENSIONS	Width 482.6 mm (19") x depth 423 mm x height 44.45 mm (1U)
MATERIAL	Steel metal sheet 12/10 Electrostatic powder coating dark grey RAL 7016
FEATURES	19" telescopic panel with removable cassettes or adapter plates
INPUT / OUTPUT	6 x PG13.5/M20 cable gland back input 6 DC cassettes front output or 2 adapter plate front output

Properties

MECHANICAL	Net weight (unloaded)	4.457 Kg
OPTICAL	Compatible adapters :	SCD, LCQ, MTP®D SCS, LCD, MTP®S
	Maximum density	120 fo over 2 adapter plates 144 fo over 6 cassettes
ENVIRONMENTAL	Temperature range	-5°C + 40°C

Ordering information

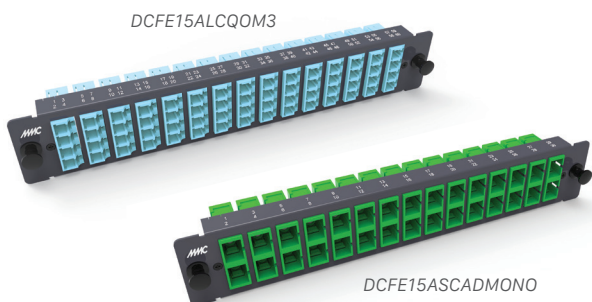
ITEM	DESCRIPTION	PACKAGING
DC PANEL 1U	Empty Telescopic panel 1U with front patching rings	Unit



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FIBER OPTIC PATCH PANELS

ADAPTER PLATES FOR DC PANEL 1U DC Fx REVERSIBLE FRONT PLATE



Benefits

- Modularity with removable front plates
- Port numbers are printed on top
- Reversible to adapt proper port numbers
- Compatible with flangeless adapters

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL PERFORMANCES : IEC-61754-20 IEC-61754-14 IEC-61754-7
- OPTICAL SYSTEM : ISO/IEC 11801 2nd Edition, EN 50173, IEEE 802.3ae TIA/EIA-604-5

Characteristics

DIMENSIONS	Width 202.5 mm x depth 9.5 mm x height 34.5 mm
MATERIAL	Steel sheet 1.2 mm with powder coating RAL 7016
FEATURES	Removable & reversible adapter plates
INPUT / OUPUT	15 LC quad or SC duplex adapters 30 LC duplex or SC simplex adapters

Properties

MECHANICAL	Net weight (unloaded)	0.8 Kg
OPTICAL	Compatible adapters :	SCD, SCAD, LCQ, LCAQ, MTPD SCS, SCAS, LCD, LCAD, MTPS
	Maximum density	60 fo per adapter plate 120 fo over 2 adapter plates
ENVIRONMENTAL	Temperature range	-5°C + 40°C

Ordering information

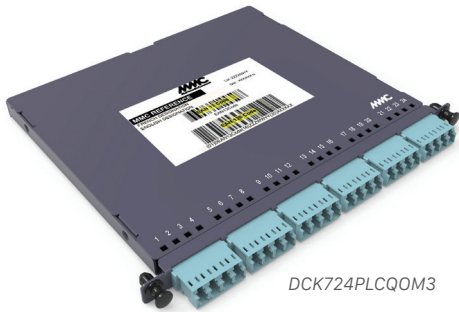
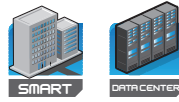
ITEM	DESCRIPTION	PACKAGING
DC FU 30A SCSLCD	Unloaded adapter plate for 30 adapters SCS, LCD or MTPS flangeless only	Unit
DC FU 15A SCDLCQ	Unloaded adapter plate for 15 adapters SCD, LCQ or MTPD flangeless only	Unit
DC FE XX A YYYY WWWW	Loaded adapter plates	Unit

Replace XX by the number of adapters, 15 or 30

Replace YYYY by the type of adapters : SCD, SCAD, LCQ, LCAQ, MTP^D, SCS, SCAS, LCD, LCAD, MTP^S

Replace WWWW by the color of adapters: MUL (beige) MONO (blue for UPC, green for APC) OM3 (aqua) OM4 (Erica violet), OM5 (lime green)

CASSETTES FOR DC PANEL 1U DCK7x FOR SPLICING & FAN OUT



DCK724PLCQOM3

Benefits

- 6 port slim cassettes
- Available for preterms, fanout or splicing
- Port numbers are printed on top
- Receives LCQ, SCD or even MTP®D

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL Performances : IEC-61754-20, IEC-61754-14, IEC-61754-7
- OPTICAL System : ISO/IEC 11801 2nd Edition, EN 50173 IEEE 802.3ae, TIA/EIA-604-5

Characteristics

DIMENSIONS	Width 201.5 mm x depth 160 mm x height 11.5
MATERIAL	1.2 mm (front plates) with powder coating RAL 7016
FEATURES	Removable splice and fanout cassette for DC Panel
INPUT / OUPUT	2 x cable entry for fanout or splice connection 6 x LCQ or SCD output on front side of the cassette

Properties

MECHANICAL	Net weight (unloaded)	0.486 Kg
OPTICAL	Compatible adapters :	LCQ, SCD, MTP®D
	Maximum density (Based on 2 x 12 FO MTP®)	72 FO with SCD 144 FO with LCQ
ENVIRONMENTAL	Temperature range	-5°C to +40°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
DC K7 6A YYY WWWW	DC Cassettes loaded with adapters only	Unit
DC K7 24P YYY ZZZ	DC Cassettes loaded with adapters, pigtailed and splice holders	Unit

Replace YYY by the type of adapters : SCD, SCAD, LCQ, LCAQ, MTP®D,
 Replace WWWW by color of the adapters: MUL (beige) MONO (blue for UPC, green for APC) OM3 (aqua) OM4 (Erica violet), OM5 (lime green)
 Replace ZZZ by the pigtail performances: OM1, OM2, OM3; OM4, OM5, OS2, 7A2 (G657A2)



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FIBER OPTIC PATCH PANELS

MTP® CASSETTES FOR DC PANEL 1U DC K7 MTP® / DC K7 MPO



DCK7MTP06LCQOM3

Benefits

- 6 port slim MTP®/MPO Plug & Play cassettes
- Test reports, S/N & 25 years warranted
- Printed port numbers & Polarity sticker,
- Receives LCQ, SCD or even MTP®
- Ready for MTP 12 / MTP 8 channels conversion



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL PERFORMANCES: IEC-61754-20 IEC-61754-14, IEC-61754-7
- OPTICAL SYSTEM : ISO/IEC 11801 2nd Edition, EN 50173 IEEE 802.3ae, TIA/EIA-604-5

Characteristics

DIMENSIONS	Width 201.5 mm x depth 120 mm x height 11.6
MATERIAL	1.2 mm (front plates) with powder coating RAL 7016
FEATURES	Removable splice and fanout cassette for DC Panel
INPUT / OUPUT	2 x cable entry for fanout or splice connection 6 x LCQ or SCD output on front side of the cassette

Properties

MECHANICAL	Net weight (unloaded)	0.486 Kg
OPTICAL	Compatible adapters :	LCQ, SCD, MTP®D
	Maximum density (Based on 2 x 12 FO MTP®)	72 FO with SCD 144 FO with LCQ
ENVIRONMENTAL	Temperature range	-5°C to +40°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
DC K7 MTP 06 YYYY WWWW	DC cassettes MTP® fully loaded	Unit
DC K7 MPO 06 YYYY WWWW	DC cassettes MPO fully loaded	Unit

Replace YYYY by the type of adapters : SCD, SCAD, LCQ, LCAQ, MTP®D,
Replace WW by the pigtail performances: OM1, OM2, OM3; OM4, OM5, OS2, 7A2 (G657A2)



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FIBER OPTIC PATCH PANELS

TT PANEL 1U ABS TELESCOPIC PANEL



TT1U24SCSLCD

Benefits

- ABS compound against salt & corrosion
- Telescopic rail for a safer opening/closing
- Splicing thanks to an optional 24 fo splice tray
- Inner cabling routing management molded
- Front door + side patching = protecte

Applications

- LAN (Local Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL Performances : IEC-61754-20, IEC-61754-14 IEC-61754-7
- OPTICAL System : ISO/IEC 11801 2nd Edition, EN 50173 IEEE 802.3ae, TIA/EIA-604-5

Characteristics

DIMENSIONS	Width 482.6 mm (19") x depth 300 mm x height 44 mm
MATERIAL	High quality ABS (chassis) 1.2 mm (front plates) With powder coating RAL 7016
FEATURES	19" telescopic panel with removable front plates
INPUT / OUPUT	1 x PG13.5 inputs both sides Side output for patchcords

Properties

MECHANICAL	Net weight (un-loaded)	2.20 Kg
OPTICAL	Compatible adapters:	STS, FCS, SCS, LCD, STD, FCS, SCD, LCQ,
	Maximum density	Splicing : 48 FO (24 x LCD/SCD) Direct connection : 96 FO over 24 x LCQ
ENVIRONMENTAL	Temperature range	-5°C to +35°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
TT 1U 24 SCSLCD	Unloaded TT panel for 24 adapters STS, FCS, SCS, LCD	Unit
TT 1U 16 SCDLCQ	Unloaded TT panel for 16 adapters STD, FCD, SCD, LCQ	Unit
TT 1U 24 SCDLCQ	Unloaded TT panel for 24 adapters SCD, LCQ	Unit
TT U XX A YYYY WWWW	TT panels loaded with adapters	Unit
TT U XX P YYYY ZZZ	Ready to splice loaded TT panels	Unit

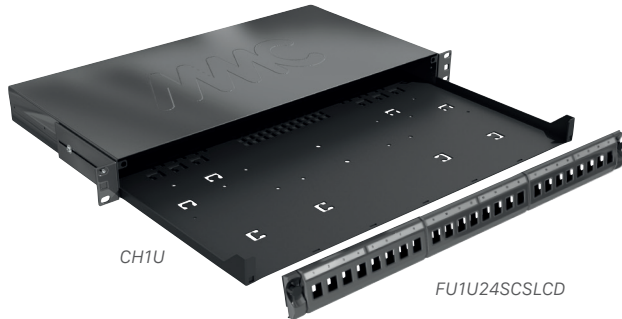
Replace XX by the number of adapters : from 1 to 24

Replace YYYY by the type of adapters : STS, FCS, SCS, LCD, STD, FCD, SCD, LCQ

Replace WWWW by color of the adapters: MUL (beige) MONO (blue for UPC, green for APC) OM3 (aqua) OM4 (Erica violet), OM5 (lime green)

Replace ZZZ by the pigtail performances: OM1, OM2, OM3; OM4, OM5, OS2

CH1U UNLOADED LAN PANEL



Benefits

- Maximum modularity, removable front plates
- Easy ID with label holders on covering ports
- Ultra High Density, 144 FO on 1U front plates
- MTP® adapters or MTP® cassettes front/back
- Plug & Play solution ready to splice service

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14
IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2 EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 482.6 mm (19") x depth 250 mm x height 44.45 mm (1U)
MATERIAL	Steel sheet 1.5 mm (chassis) 1.2 mm (front plates) With powder coating RAL 7016
FEATURES	19" sliding panel with removable front plates
INPUT / OUPUT	2 x PG13.5 & 2 x PG16 inputs both sides 1 additional LGX possible input at central backside

Properties

MECHANICAL	Net weight (unloaded)	2.40 Kg
OPTICAL	Compatible adapters :	ST, SC, LC, FC, MU, MT-RJ, E2000, MTP®
	Maximum density (Based on 12 FO MTP)	144 FO with 72 x LCD 144 FO with 36 x LCQ 120 FO with 5 cassettes
ENVIRONMENTAL	Temperature range	-5°C to +40°C

Ordering information

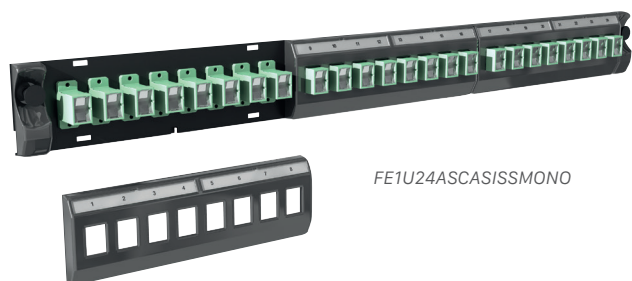
ITEM	DESCRIPTION	PACKAGING
CH1U	Empty chassis including cable routing management kit 48MKS with fiber spoolers	Unit
FU1U24SCSLCD	Unloaded front plate for 24 adapters STS, SCS, LCD or MTP®S	Unit
FU1U24SCDLCQ	Unloaded front plate for 24 adapters STD, SCD, LCQ or MTP®D	Unit
FU1U48SCSLCD	Unloaded front plate for 48 adapters SCS, LCD or MTP®S flangeless only	Unit
FU1U36SCDLCQ	Unloaded front plate for 36 adapters STD, SCD, LCQ or MTP®D flangeless only	Unit
FU1U72SCSLCD	Unloaded front plate for 72 adapters SCS, LCD or MTP®S flangeless only	Unit
FU1U3MOD	Unloaded front plate for 3 LGX modules and/or MTP® cassettes	Unit
ECA451U	Rear cable entry 45° for 1 x PG13.5 or 1 x PG16	Unit
ECAMP1U	Rear cable entry for Micro and Premium preterms	Unit
EQCH1U19	19" rear additional bracket	Pack of 2
EQCH1U23	ETSI 23" front or rear alternative bracket	Pack of 2



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FIBER OPTIC PATCH PANELS

ADAPTER PLATES FOR CH1U FExx LOADED ADAPTER PLATES



FE1U24ASCASISSMONO

Benefits

- Saving time with adapters loaded front plates
- Delivered separately or already assembled
- Easy ID, labeling option with covering ports
- UHD with a 72 x LCD or 36 x LCQ adapters

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14 IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 422.4 mm x height 44 mm
MATERIAL	Steel sheet 1.2 mm with powder coating RAL 7016
FEATURES	19" removable front plates loaded with adapters
LOCKING SYSTEM	2 x push-pull buttons (snap latches)

Properties

MECHANICAL	Net weight (unloaded) :	0.10 Kg
OPTICAL	Compatible adapters :	ST, SC, LC, FC, MU, MT-RJ, E2000, MTP®
	Compatible fibers :	All types of MM & SM
ENVIRONMENTAL	Temperature range :	-5°C to +40°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
FE 1U XX A YYYY WWWW	Loaded front plate delivered unassembled on the fiber panel : FE 1U xx A yyyy wwww	Unit
TO 1U XX A YYYY WWWW	Loaded front plate delivered assembled on the fiber panel : TO 1U xx A yyyy wwww	Unit

Replace XX by the number of adapters : from 1 to 72

Replace YYYY by the type of adapters : STS, FCS, SCS, LCD, STD, FCD, SCD, LCQ

Replace WWWW by color of the adapters: MUL (beige) MONO (blue for UPC, green for APC) OM3 (aqua) OM4 (Erica violet), OM5 (lime green)

Replace ZZZ by the pigtail performances: OM1, OM2, OM3; OM4, OM5, OS2



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FIBER OPTIC PATCH PANELS

LGX MODULES FOR TRANSFORMER PANEL LX_{xx}A LOADED ADAPTER MODULES



Benefits

- Loaded LGX modules for chassis
- Warranty seal and test report on top cover
- ID label holders on panel front plates



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a4 (om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

DIMENSIONS	width 96.6 mm x depth 40 mm x height 29 mm
MATERIAL	Steel sheet 1.2 mm (fiber modules) Steel Sheet 1.5 mm (copper & brush module) with powder coating RAL 7016
FEATURES	LGX adapter modules loaded with adapter
LOCKING SYSTEM	2 x push-pull buttons (snap latches)

Properties

MECHANICAL	Net weight (unloaded)	0.06 Kg to 0.10 Kg
	Compatible adapters	4 x XLR 6 x RJ45 BCTL 6 X SCD/LCQ/MTP®D 12 SCS/LCD/MTPS®
OPTICAL	Compatible fibers	All types of MM & SM
ENVIRONMENTAL	Temperature range	-5°C to +40°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
LX XXA YYYY WWWW	Loaded LGX adapter plate module	Unit

Replace XX by the number of adapters : from 1 to 24

Replace YYYY by the type of adapters : STS, FCS, SCS, LCD, STD, FCD, SCD, LCQ, XLR

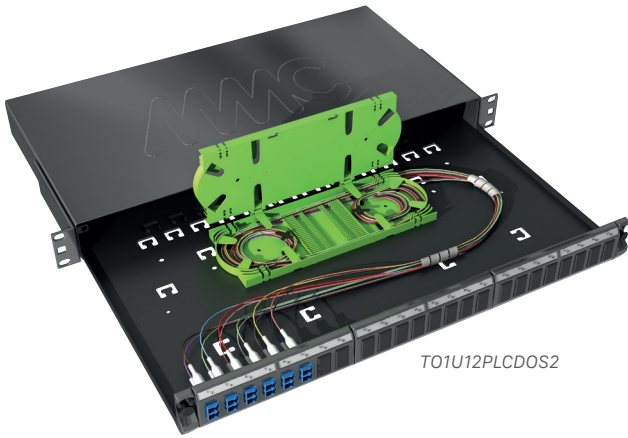
Replace WWWW by color of the adapters: MUL (beige) MONO (blue for UPC, green for APC) OM3 (aqua) OM4 (Erica violet), OM5 (lime green)



FIBER

FIBER OPTIC PATCH PANELS

READY TO SPLICE TRANSFORMER FIBER PANEL



TO1U12PLCDOS2



BENEFITS

- Up to 2 hours can be saved for a technician
- Adapters, pigtails and splice trays assembled
- Pigtails routed and protected inside splice trays
- Pigtails connected to the loaded adapters

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-1, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 482.6 mm (19") x depth 250 mm x height 44.45 mm (1U)
MATERIAL	Steel sheet 1.5 mm (chassis) 1.2 mm (front plates) with powder coating RAL 7016
FEATURES	Factory assembled & fully loaded fiber panel
SPLICING	Fusion, with heathshrinks

Properties

MECHANICAL	Net weight (loaded)	depends on configuration
OPTICAL	Compatible adapters	ST, SC, LC, FC, MU, MT-RJ, E2000, MTP
	Compatible fibers Maximum pigtails	All types of MM & SM 48 ST, SC, FC, MU - 96 LC
ENVIRONMENTAL	Temperature range	-10°C to +60°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
TO 1U XX P YYYY WWW	Ready to splice transformer fiber panel	Unit

Replace xx letter by number of pigtails : 6, 12, 24, 36, 48, 72, 96
 Replace yyyy letter type of adapters : STS, STD, SCS, SCAS, SCD, LCD, LCAD, LCQ, LCAQ, FCS, FCD, E2, E2A
 Replace www by type of pigtails : OM1, OM2, OM3, OM4, OS2, 7A1 (G657A1), 7A2 (G657A2), 7B3 (G657B3)

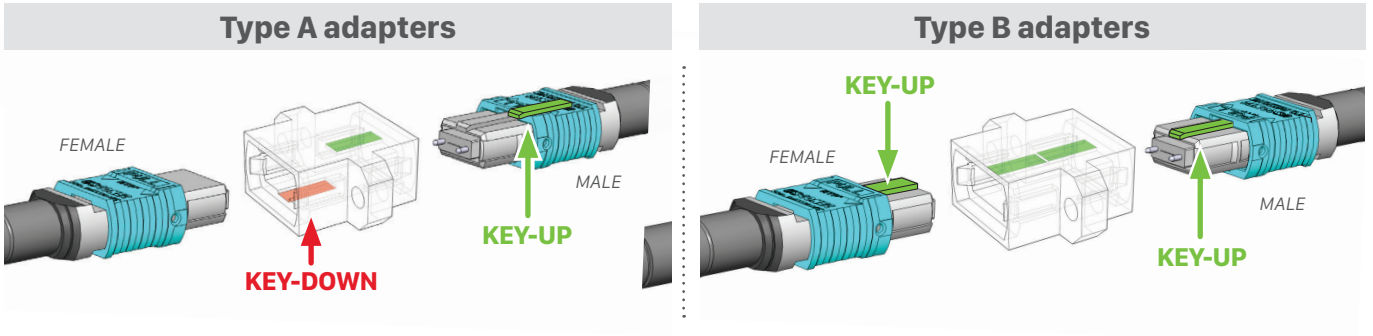


FIBER

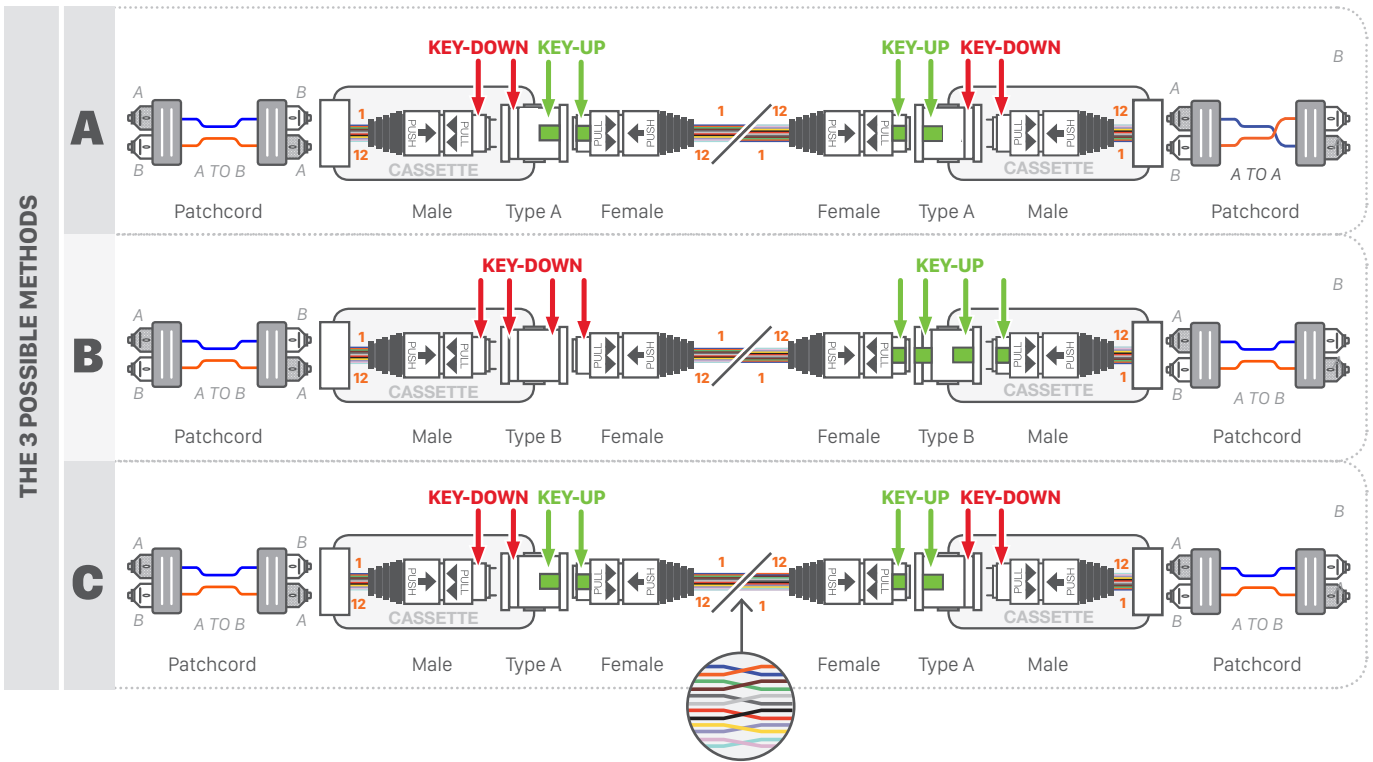
FIBER OPTIC PATCH PANELS

POLARITY & GENDER ON MTP® LINKS

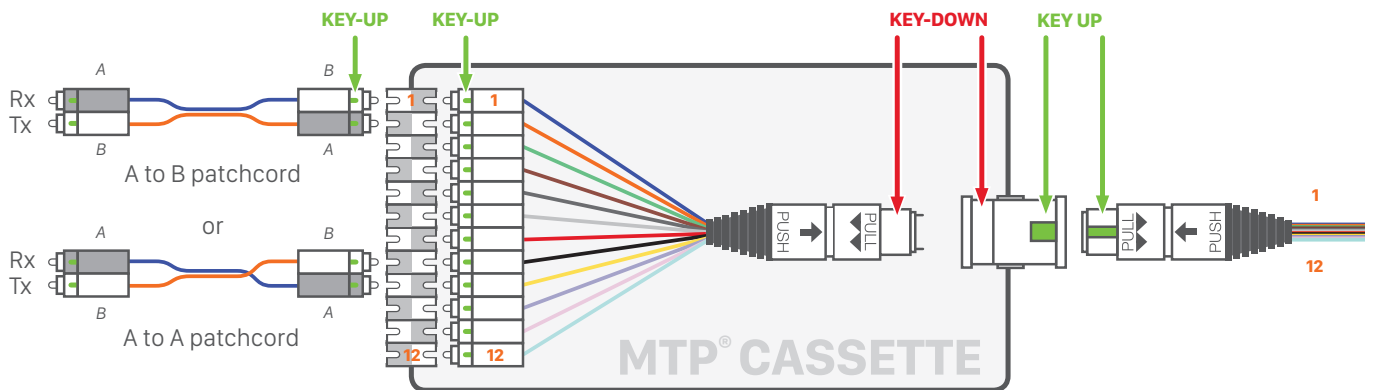
- Type A adapters with **opposite** key (**UP/DOWN**)
- Type B adapters with **aligned** key (**UP/UP**)
- Male & female connectors



As per the ANSI/TIA-568C.0, three cabling methods can assure the polarity on the optical link.

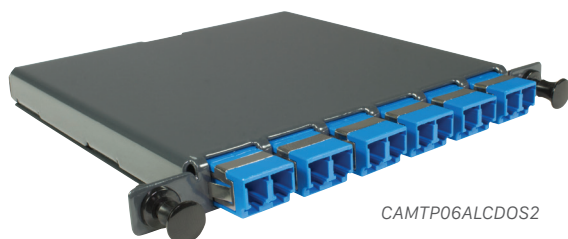


Principle of polarity over 12 fibers



MTP® IS A BRAND NAME OF US CONEC LTD.

MTP® CASSETTES FOR CH1U CAMTP6Ax 12FO 40G



Benefits

- Loaded MTP® cassettes, 12 FO for CH1U chassis
- Cassettes loaded, adapters and MTP® fan-out
- Warranty seal and test report stucked on top
- ID label holders on front plate of panel

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a4 (om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL System : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

DIMENSIONS	width 104 mm x depth 100 mm x height 25.1 mm
MATERIAL	Steel sheet 1.2 mm with powder coating RAL 7016
FEATURES	MTP® cassettes, loaded with 6 adapters and fan-out
LOCKING SYSTEM	2 x push-pull buttons (snap latches)

Properties

MECHANICAL	Net weight (unloaded)	From 0.06 Kg to 0.10 Kg
	Compatible adapters	SC, LC
OPTICAL	Compatible fibers	All types of MM & SM
ENVIRONMENTAL	Temperature range	-5°C to +40°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CAMTP 06A YYYY WWW	Loaded MTP® Plug & Play 12 FO cassette	Unit

Replace YYYY by the type of adapters : STS, FCS, SCS, LCD, STD, FCD, SCD, LCQ
 Replace ZZZ by the pigtail performances: OM1, OM2, OM3; OM4, OM5, OS2



FIBER

FIBER OPTIC PATCH PANELS

MTP® CASSETTES FOR CH1U CAMTP12Ax 24FO 100G



CAMTP06ASCDS2

Benefits

- Loaded MTP® cassettes 24 FO for CH1U chassis
- Cassettes with adapters and fan-out
- Warranty seal and test report stucked on top
- ID label holders on front plate of panel

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a4 (om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL System : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

DIMENSIONS	width 107.8 mm x depth 109.4 mm x height 25.1 mm
MATERIAL	Steel sheet 1.2 mm with powder coating RAL 7016
FEATURES	MTP® cassettes, loaded with adapters and pigtails
LOCKING SYSTEM	2 x push-pull buttons (snap latches)

Properties

MECHANICAL	Net weight (unloaded)	From 0.06 Kg to 0.10 Kg
	Compatible adapters	SC, LC, MTP®
OPTICAL	Compatible fibers	All types of MM & SM
ENVIRONMENTAL	Temperature range	-5°C to +40°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
CAMTP 12A YYYY WWW	Loaded MTP® Plug & Play 24 FO cassette	Unit

Replace YYYY by the type of adapters : STS, FCS, SCS, LCD, STD, FCD, SCD, LCQ
 Replace ZZZ by the pigtail performances: OM1, OM2, OM3; OM4, OM5, OS2



FIBER

FIBER OPTIC PATCH PANELS

SLIDING TC PANEL1U



TC1U24ALCADMONO

Benefits

- Strong & light for daily LAN fiber networks
- Delivered with cable management
- Splicing thanks to an optional 12 fo splice tray
- Plug & Play with ready to splice service
- 25 years' warranty

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a4 (om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

DIMENSIONS	Width 482.6 mm (19") x depth 238 mm x height 44 mm
MATERIAL	Steel sheet 1.2 mm With powder coating RAL 7016
FEATURES	Factory assembled & fully loaded fiber panel
SPLICING	Fusion, with heathshrinks

Properties

MECHANICAL	Net weight (loaded)	2.5 Kg
OPTICAL	Compatible adapters	ST, SC, LC, FC
	Compatible fibers Maximum pigtailed	All types of MM & SM 48 ST,SC,FC - 96 LC
ENVIRONMENTAL	Temperature range	-10°C to +40°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
TC 1U 24 SCSLCD	Unloaded TC panel for 24 adapters STS, FCS, SCS, LCD	Unit
TC 1U 24 SCDLCQ	Unloaded TC panel for 24 adapters STD, FCD, SCD, LCQ	Unit
TC U XX A YYYY WWWW	TC panels loaded with adapters	Unit
TC U XX PYYYY ZZZ	Ready to splice loaded TC panels	Unit

Replace XX by the number of adapters : from 1 to 24

Replace YYYY by the type of adapters : STS, FCS, SCS, LCD, STD, FCD, SCD, LCQ

Replace WWWW by color of the adapters: MUL (beige) MONO (blue for UPC, green for APC) OM3 (aqua) OM4 (Erica violet), OM5 (lime green)

Replace ZZZ by the pigtail performances: OM1, OM2, OM3; OM4, OM5, OS2



FIBER

FIBER OPTIC PATCH PANELS

DC MANAGER 1U



Benefits

- 1U passthrough cable manager for fiber
- Removable front door
- 2 side rings for bending protection
- High capacity



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10

Characteristics

DIMENSIONS	Outer dimensions width 482.6 mm x depth 80 mm x height 43.5 mm Workable dimensions : width 415 mm x depth 79.6 mm x height 40 mm
MATERIAL	Steel sheet 1.2 mm (back side) AL5052 (front door) with powder coating RAL 7016
FEATURES	1U pass through cable manager
LOCKING SYSTEM	2 x push-pull buttons

Properties

MECHANICAL	Net weight	0.85 Kg
	Ring capacity	216 patchcords of OD 2mm or 96 patchcords of OD 3mm
OPTICAL	Compatible fibers	All types
ENVIRONMENTAL	Temperature range	-10°C to +50°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
DC MANAGER 1U	1U pass through cable ring manager for fiber patchcords	Unit



FIBER SPOOLER



48SPOOLERKIT

Benefits

- Complete kits to route fibers inside panels
- Protects the bending radius of 30mm of fibers
- Evolutive and modular
- Can be splitted into 4 parts
- Stackable

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a4 (om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

DIMENSIONS	OD 80 mm (base) OD 60mm (tray) x height 30 mm
MATERIAL	ABS compound
FEATURES	Kit to organize the routing of fibers inside panels
LOCKING SYSTEM	2 elastics (not included into the 48SPOOLERTRAY)

Properties

MECHANICAL	Net weight (unloaded)	0.032 Kg/spooler
	Bending radius	30mm
ENVIRONMENTAL	Temperature range	-5°C to +40°C

Ordering information

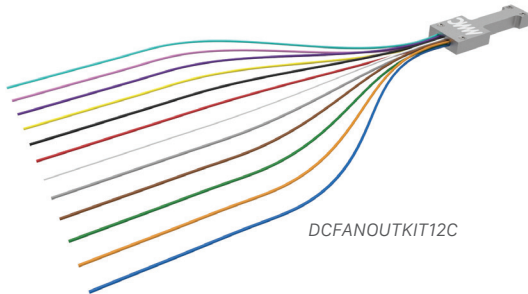
ITEMS	DESCRIPTION	PACKAGING
48MKS	2 adhesive bases + 2 trays + 1 PG 13.5 cable gland + cable ties and screws, complete for panels	Unit
48SPOOLERKIT	2 adhesive bases + 2 trays, ideal if panel already has a cable gland and cable ties	Unit
48SPOOLERTRAY	2 additional trays to be stacked on 2 bases	



FIBER

FIBER OPTIC MANAGEMENT

DC FAN OUT KIT - MICRO FAN OUT KIT



BENEFITS

- Direct connect 900 μm connectors to 250 μm
- Suitable for central tubes from $\varnothing 3$ to $\varnothing 4.5$ mm
- Simple mechanical operation
- DC version for DC splice cassette 12 & 24 cores
- Micro for Transformer panel 12 & 24 cores



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)

Standards

- OPTICAL SYSTEM : ISO 11801 ED2.2 EIA/TIA568-C.3
- CECC BFOC 86260, Bellcore / Telcordia

Characteristics

MATERIAL OF BODY	Stainless steel
TUBING	Standard :12 colored 900 μm
CRIMP RING	Metal

Properties

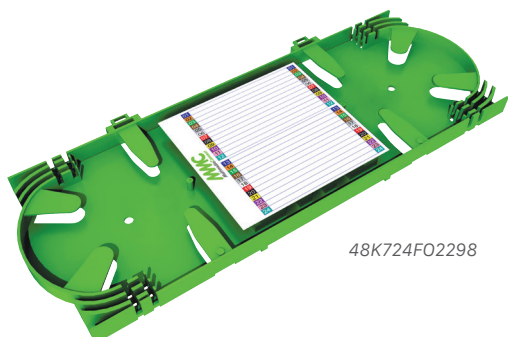
MECHANICAL	Dimensions :	
	DC FANOUT KIT 12C	42 x 17 x 6.2 mm
	DC FANOUT K24C	42 x 25.6 x 6.2 mm
	MICRO FANOUT KIT 12C	38.5 x \varnothing 11.8 mm
	MICRO FANOUT KIT 24C	38.5 x \varnothing 14.8 mm
	Tensile load	45N
	Crush resistance	52N
	Bending radius	13 mm
ENVIRONMENTAL	Temperature range	-10°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
DC FANOUT KIT 12C	DC fanout kit for 12 fibers	Unit
DC FANOUT KIT 24C	DC fanout kit for 24 fibers	Unit
48CRIMPTOOLUNIV	Crimp tool for DC Fanout kits	Unit
MICRO FANOUT KIT 12C	Micro fanout kit for 12 fibers	Unit
MICRO FANOUT KIT 24C	Micro fanout kit for 24 fibers	Unit
48CRIMPTOOLMICRO	Crimp tool for Micro Fanout kits	Unit



SPLICE TRAYS 12-24-36 CORES



48K724FO2298

Benefits

- 12, 24, 36 cores per splice tray
- Up to 4 splice trays stacked on 1U height
- Rear pivot axis for easier access
- Accessories (cable ties, snake tube)
- Allows 3 ways to assemble inside panel

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- CECC, Telcordia (Bellcore)

Characteristics

DIMENSIONS	12 Fo : Width 150 mm x depth 97 mm x height 80 mm 24 Fo : Width 220 mm x depth 97 mm x height 80 mm 36 Fo : Width 230 mm x depth 152 mm x height 80 mm
FEATURES	Stackable splice trays 12/24/36 cores For 40/45/60mm heatshrinks With transparent lid cover & color coded ID label
MATERIAL	Green ABS Pantone 368C

Properties

MECHANICAL	Net weight	0.09Kg
	Compatible heatshrinks	40, 45 or 60 mm
	Cable entry for cable ties	4 (2 each side)
ENVIRONMENTAL	Temperature range	-5°C to +60°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
48K712FO1598	Splice tray for 12 heat shrinks dimension 15 x 9.7 x 8 cm	Unit
48K724FO2298	Splice tray for 24 heat shrinks dimension 22 x 9.7 x 8 cm	Unit
48K736FO23158	Splice tray for 36 heat shrinks dimension 23 x 15.2 x 8 cm	Unit



FIBER

FIBER OPTIC SPLICE TRAY

HEATSHRINKS



MANCHONEPISSURE60

Benefits

- Shrinkable splice fusion protection tubes
- Steel pin strength member EVA tube secures the fusion with the steel pin
- Polyolefin is shrunk around fusion
- 40, 45 & 60 mm for all splicers



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3
- OPTICAL SYSTEM : ISO 11801 ED 2.2, EIA/TIA 568-C.3
- Mil-I-23053/ 5 class 2
- BS 2056 Type 302 S 26), BT-RC-6959BR
- Bellcore GR 1380

Characteristics

DIMENSIONS	Cross section 2.4 - 2.2 mm +/- 0.1 mm
FEATURES	40/45/60 mm heatshrink spliced fusion protection tubes with transparent color
MATERIALS	Heatshrinkable Polyolefin tube ID 2.4-2.2 mm Transparent EVA (Ethylene vinyl Acetate) 1.2 - 1.0 mm stainless steel pin OD 1.10 mm

Properties

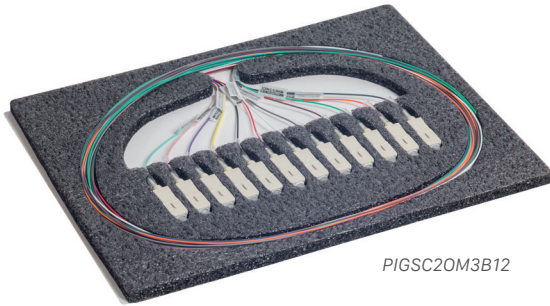
MECHANICAL	Shrink time Full recovery	60 to 120°C
	Tensile load	10.4 mpa
	Melting point	67°C
ENVIRONMENTAL	Clear operation temperature	-50°C to +125°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
MANCHONEPI45150	Heat shrink splice protection tube 1.0/2.2 mm x length 45 mm	Pack of 50
MANCHONEPI60150	Heat shrink splice protection tube 1.0/2.2 mm x length 60 mm	Pack of 50
MANCHONEPISSURE	Heat shrink splice protection tube 1.2/2.4 mm x length 40 mm	Pack of 50
MANCHONEPISSUR60	Heat shrink splice protection tube 1.2/2.4 mm x length 60 mm	Pack of 50



PIGTAILS



PIGSC20M3B12

BENEFITS

- Compatible with central loose tube fibre cables
- Suitable for central tubes from Ø 2 mm to Ø 4 mm
- Semi tight buffered is standard
- Tight buffered on demand

Applications

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- FTTH (Fibre-To-The-Home)
- WAN (Wide Area Network)

Standards

MM : IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4), A1a.5 (OM5)

SM : IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)

- SYSTEM : ISO 11801 Edition 2.2 TIA568-C.3

- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10, ECC BFOC 86260, Bellcore/Telcordia GR-326

Characteristics

CONNECTOR TYPES	ST, SC, LC, FC, MU, UPC (other on request)
POLISHING QUALITY	Multimode : UPC; Singlemode : UPC, APC 8°
MATERIAL CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
MATERIAL BOOTS	Multimode : beige Singlemode : blue, green Multimode : beige Singlemode : blue, green
CABLE ID METHOD	900µm semi tight or tight buffered, LSZH Flag sticker with MMC P/N & S/N of cable

Properties

MECHANICAL	Mating cycles	> 1000
	Vibration	As per IEC 61300-2-2 As per IEC 61300-2-1
	Ferule material	Ceramic zirconia (ZrO2)
OPTICAL	Size of ferule SM	SM 125/126µm
	Size of ferule MM	MM 127/128µm
	Return Loss (typical)	MM 0.35dB SM 0.65dB
ENVIRONMENTAL	Insertion Loss (typical)	0.25dB
	Temperature range	-10°C + 65°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
PIG YYY 2 ZZZ	Individual Pigtail xxx 2m, YYY semi tight buffered	Unit
PIG YYY 2 ZZZ B12	Pack of 1 x 12 colored pigtails xxx 2m, YYY semi tight buffered	Unit
PIG YYY 2 ZZZ B2X6	Pack of 2 x 6 colored pigtails xxx 2m, YYY semi tight buffered	Unit

Replace YYY by the type of connectors : ST, FC, SC, LC, STA, FCA, SCA, LCA
 Replace ZZZ by the pigtail performances : OM1, OM2, OM3; OM4, OM5, OS2
 Note : Please add "TB" at the end of P/N for tight buffered



FIBER

FIBER OPTIC PIGTAILS

ACCESSORIES FOR PATCH PANELS SCREWS, CABLE GLANDS AND DUST CAPS



Benefits

- M6 screws to install panels inside cabinets
- 2.2mm screws for adapters
- Additional cable routing management kit
- M20, PG13.5 & PG16 additional cable gland
- 2 types of dust caps to fill the unused holes

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- WAN (Wide Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- CECC, Telcordia (Bellcore)

Characteristics

SCREWS	M6 x 12 screws & nuts for panel into rack 2.2 x 6.5 mm screws to mount ST or FC adapters Material of screws is zinc plated steel
MANAGEMENT KIT & CABLE GLANDS	All accessories to organize the cable management PA 6 cable glands to maintain cable at rear of panel
DUST CAPS	Rubber dust caps to fill the empty ports on panel

Properties

MECHANICAL	Weight for M6 x 12 mm screws	230g / 50 pcs
	Weight for 2.2 x 6.5 mm screws	12g / 48 pcs
	Waterproofness of cable gland	IP68
	Tensile load for cable ties	8.16Kg
ENVIRONMENTAL	Temperature range	-40°C to +100°C

Ordering information

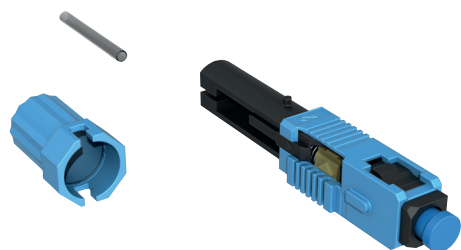
ITEMS	DESCRIPTION	PACKAGING
49BV50T	M6 Screw with cage nut and rubber bolt	Pack of 50
48MKB	Management Kit for panels with 1 x PG13.5 cable gland + 6 x 100 x 26 mm nylon cable ties & 8 x bunny clips	Unit
48PEPG135N	PG 13.5 black cable gland	Unit
48PEPG16N	PG 16 black cable gland	Unit
48MMTVIS	Screws \varnothing 2.2 mm x 6.8 mm for adapters	Pack of 48
48OBSCD	Dust cap for STD / SCD / LCQ / FCD / MTPD unused ports of patch panels	Pack of 6
48OBLCD	Dust cap for STS / SCS / LCD / FCS / MTPS unused ports of patch panels	Pack of 6



FIBER

FIBER OPTIC PATCH PANEL ACCESSORIES

SC FAST FIELD CONNECTORS



48SMCSCASFLD

Benefits

- Fast field SC connectors taking 1-2 minutes
- Fiber already inserted into the ferule & gel
- No curing, no polishing : factory polished
- Reuse is possible 2-3 times
- Delivered with 900 μ m, 2 mm & 3 mm boots

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3-B
- OPTICAL SYSTEM : ISO 118012 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-4, FOCIS-3
- CECC BFOC 86260, Bellcore/Telcordia

Characteristics

HOLE SIZE	Singlemode : 126-127 μ m Multimode : 127-128 μ m
FERULE POLISHING	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Singlemode UPC : blue Singlemode APC : green Multimode : beige
BOOTS	Singlemode UPC : blue & black Singlemode APC : green & black Multimode : red & black
INSERTION CONNECTON	Push pull With a precision cleaver & a VFL pen for checking

Properties

MECHANICAL	Mating cycles	100 (IEC 61300-2-1)
	Vibration	10-55 Hz, 1.5 mm P/P = 0.3 dB
	Tensile load	(IEC 61300-2-1) 2.5Kg = 0.2 dB(900Mmboot)
OPTICAL	Return Loss	50 dB (APC) - 40 dB (UPC)
	Insertion Loss	0.30 dB to 0.5 dB
ENVIRONMENTAL	Temperature range	-40°C to +75°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48MMCSCSFLDY	SC simplex UPC beige fast field connector multimode 900 μ m / 2 mm / 3 mm	Pack of 6
48SMCSCSFLD	SC simplex UPC blue fast field connector singlemode 900 μ m / 2 mm / 3 mm	Pack of 6
48SMCSCASFLD	SC simplex APC green fast field connector singlemode 900 μ m / 2 mm / 3 mm	Pack of 6

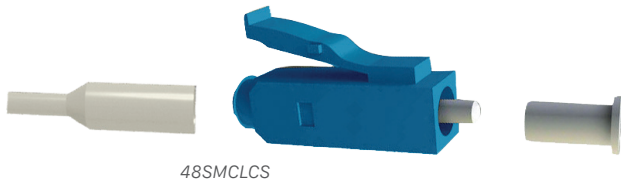
Replace yyy letter by the type of fiber : OM1, OM2, OM3, OM4



FIBER

FIBER OPTIC CONNECTORS

LC CONNECTORS



Benefits

- LC compact SFF (Small Form Factor) connectors
- Suitable for hot or cold epoxy curing
- Simplex version delivered with 900 µm boots
- Duplex version with 2 mm and 3 mm boots
- Available in MM, SM UPC and APC versions

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)
- DPN (Data processing networks)

Standards

- COMPONENT : IEC 61754-20, EIA/TIA 604-10-B
- OPTICAL SYSTEM : ISO 11801 ED2.2 EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-20 FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia

Characteristics

HOLE SIZE	Singlemode : 126-127 µm Multimode : 127-128 µm
MATERIAL OF FERULE POLISHING	Zirconia ceramic 1.25 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Singlemode UPC : blue Singlemode APC : green Multimode : beige
BOOTS	Singlemode UPC : blue & black Singlemode APC : green & black Multimode : red & black
INSERTION CURING	Snag free latch Epoxy

Properties

MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P = 0.2 dB
	Tensile load	(IEC 61300-2-1) > 70 N
OPTICAL	Return Loss	65 dB / 50 dB
	Insertion Loss	0.10 dB to 0.2 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48MMCLCS	LC simplex UPC beige connector multimode 900 µm	Pack of 6
48MMCLCD	LC duplex UPC beige connector multimode 2 mm / 3 mm	Pack of 6
48SMCLCS	LC simplex UPC blue connector singlemode 900 µm	Pack of 6
48SMCLCD	LC duplex UPC blue connector singlemode 2 mm / 3 mm	Pack of 6
48SMCLCAS	LC simplex APC green connector singlemode 900 µm	Pack of 6
48SMCLCAD	LC duplex APC green connector singlemode 2 mm / 3 mm	Pack of 6



SC FC ST CONNECTORS



Benefits

- SC FC ST connectors for hot/cold epoxy curing
- Delivered with 900 µm and 2 mm boots
- Available in MM, SM UPC and APC versions
- Available in simplex and duplex versions

Applications

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home)
- WAN (Wide Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3, TIA 604-3-B
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-20, FOCIS-3
- CECC BFOC/2.5, Bellcore/Telcordia

Characteristics

HOLE SIZE	Singlemode : 126-127 µm Multimode : 127-128 µm
MATERIAL OF FERULE POLISHING	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Nickel Plated metal body
BOOTS COLORS	Singlemode UPC : yellow Singlemode APC : green Multimode : black
INSERTION CURING	Bayonet Epoxy

Properties

MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P =0.2dB
	Tensile load	(IEC 61300-2-1) > 90 N (with 3 mm boot only)
OPTICAL	Return Loss	55dB / 40dB
	Insertion Loss	0.10dB to 0.3dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48MMC YYY *	ST UPC connector multimode 900 µm / 2 mm	Pack of 6
48SMC YYYY *	ST UPC connector singlemode 900 µm / 2 mm	Pack of 6

Replace YYYY by the type of connectors : ST, FC, SCS, SCD, LCS, LCD, STA, FCA, SCAS, SCAD, LCAS, LCAD

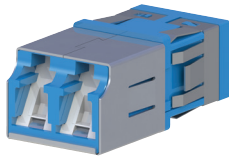
* Add : 100 after part number for package of 100 pcs



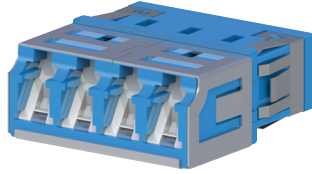
FIBER

FIBER OPTIC CONNECTORS

LC SHUTTERED ADAPTERS



48SMTLCDISFLLZ



48SMTLCQISFLLZ

Benefits

- LC compact SFF (Small Form Factor) adapters
- Especially for Data Centers & Ultra High Density
- Duplex & quad version
- Composite housing & zirconia ceramic ferule
- Available with flange or flangeless



Applications

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- FTTH (Fibre-To-The-Home)
- WAN (Wide Area Network)

Standards

- COMPONENT : IEC 61754-20, EIA/TIA 604-10-B
ISO/IEC 24764
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia

Characteristics

DIMENSIONS	Stainless steel inner shutter Dplx : L 29.4 mm x W 12.92 mm x H 9.4 mm Quad : L 29.4 mm x W 25.42 mm x H 9.4 mm Individual inner shuttered doors Dplx : L 29.2 mm x W 13.6 mm x H 11.4mm Quad : L 29.2 mm x W 26.6 mm x H 11.4 mm
SLEEVE ALIGNMENT	Zirconia ceramic 1.25 mm UPC (Ultra Polished) & APC (Angle Polished)
HOUSING	SM UPC : blue SM APC : green MM : beige, Aqua (OM3-OM4) Erica Violet (OM4), lime green (OM5)
INSERTION FIXATION	Snagfree latch 2 x M2 screws and/or snap on with metal clip

Properties

MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P = 0.2 dB
	Retention force	(IEC 61300-2-1) > 1N - 2.5N
OPTICAL	IL MM	0.20 dB to 0.30 dB
	IL SM	0.10 dB to 0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +85°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 XX T LC YY IS WW	LC XX Y W adapter with inner stainless steel dust shutter	Pack of 6
48 XX T LC YY IS FL WW	LC XX Y W adapter with inner stainless steel dust shutter flangeless	Pack of 6
48 XX T LC YY IS LZ WW	LC XX Y W adapter with inner individual laser protection door shutter	Pack of 6
48 XX T LC YY IS FL LZ WW	LC XX Y W adapter with inner individual laser protection door shutter flangeless	Pack of 6

Replace XX by the type of adapters : MM or SM

Replace YY by the type of adapters : D for LCD, Q for LCQ, AD for LCAD, AQ for LCAQ

Replace WW by color of the adapters: A (aqua) for OM3 & OM4, EV for Erica Violet (OM4), LG (OM5) for Lime Green

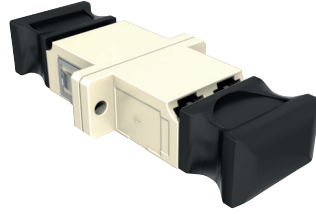
NB : MM is beige, SM-UPC is blue and SM-APC is green by default



LC ADAPTERS



48SMTLCQFL



48MMLCD

Benefits

- LC compact SFF (Small Form Factor) adapters
- Duplex & quad version
- Composite housing & zirconia ceramic ferule
- Available with flange or flangeless
- Delivered with flexible duplex dustcaps

Applications

- LAN (Local Area Network),
- CAN (Campus Area Network)

Standards

- COMPONENT : IEC 61754-20, EIA/TIA 604-10-B
ISO/IEC 24764
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia

Characteristics

DIMENSIONS	Dplx : L 29.3 mm x W 12.75 mm x H 9.3 mm Quad : L 29.2 mm x W 26 mm x H 9.3 mm
SLEEVE ALIGNMENT	Zirconia ceramic 1.25 mm UPC (Ultra Polished) & APC (Angle Polished)
HOUSING	Singlemode UPC : blue Singlemode APC : green Multimode : beige
INSERTION FIXATION	Snagfree latch 2 x M2 screws and/or snap on with metal clip

Properties

MECHANICAL	Mating Cycles	500 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P = 0.2 dB
	Retention force	(IEC 61300-2-1) > 1N - 2.5N
OPTICAL	Insertion Loss MM	0.20 dB to 0.30 dB
	Insertion Loss SM	0.10 dB to 0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +85°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 XX T LC YY WW	LC XX Y W adapter	Pack of 6
48 XX T LC YY FL WW	LC XX Y W adapter flangeless	Pack of 6

Replace XX by the type of adapters : MM or SM

Replace YY by the type of adapters : D for LCD, Q for LCQ, AD for LCAD, AQ for LCAQ

Replace WW by color of the adapters: A (aqua) for OM3 & OM4, EV for Erica Violet (OM4), LG (OM5) for Lime Green

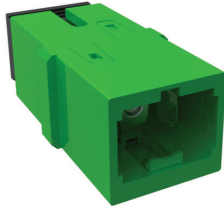
NB : MM is beige, SM-UPC is blue and SM-APC is green by default



FIBER

FIBER OPTIC ADAPTERS

SC SHUTTERED ADAPTERS



48SMTSCASISFLLZ



48MMTSCASISSFL

Benefits

- SC simplex and duplex adapters
- Composite housing & zirconia ceramic ferrule
- Available in MM, SM, UPC and APC versions
- Available in simplex and next in duplex version
- With inner shutter for laser eyes protection



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3-B
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-4, FOCIS-3
- CECC BFOC 86260, Bellcore/Telcordia

Characteristics

DIMENSIONS	Inner saloon shutters (ISS) Splx : L 30.75 mm x W 12.80 mm x H 9.33 mm Inner laser protection (FLLZ) Splx : L 27.5 mm x W 14.8 mm x H 10.9mm
SLEEVE ALIGNMENT	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Composite body
HOUSING COLORS	Singlemode UPC : blue Singlemode APC : green Multimode : beige
INSERTION FIXATION	Push-pull 2 x M2 screws and/or snap on with metal clip

Properties

MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P = 0.2 dB (IEC 61300-2-1)
	Retention force	> 2N - 5.9N
OPTICAL	Insertion Loss MMw	0.20 dB to 0.30 dB
	Insertion Loss SM	0.10 dB to 0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 XX T SC YY ISS WW	SC XX Y W adapter with inner saloon shutter	Pack of 6
48 XX T SC YY ISS FL WW	SC XX Y W adapter with inner stainless steel dust shutter flangeless	Pack of 6
48 XXT SC YY IS LZ WW	SC XX Y W adapter with inner individual laser protection door shutter	Pack of 6
48 XXT SC Y IS FL LZ WW	SC XX Y W adapter with inner individual laser protection door shutter flangeless	Pack of 6

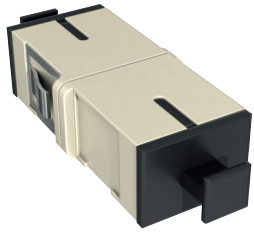
Replace XX by the type of adapters : MM or SM

Replace YY by the type of adapters : S for SCS, D for SCD, AS for SCAS, AD for SCAD

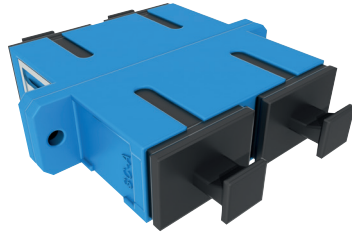
Replace WW by color of the adapters : A (aqua) for OM3 & OM4, EV for Erica Violet (OM4), LG (OM5) for Lime Green

NB : MM is beige, SM-UPC is blue and SM-APC is green by default

SC ADAPTERS



48MMTSCSFL



48SMTSCD



Benefits

- SC simplex and duplex adapters
- Composite housing & zirconia ceramic ferrule
- Available in MM, SM UPC and APC versions
- Available with flange and flangeless

Applications

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- FTTH (Fibre-To-The-Home)
- WAN (Wide Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3-B
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-4, FOCIS-3
- CECC BFOC 86260, Bellcore/Telcordia

Characteristics

DIMENSIONS	Splx : width 22 mm x depth 9.3 mm x height 3 mm Dplx : width 35 mm x depth 9.3 mm x height 3 mm Splx FL : width 16 mm x depth 9.3 mm x depth 3 mm Dplx FL : width 27.75mm x depth 9.3mm x height 3mm
SLEEVE ALIGNMENT	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Composite body
HOUSING COLORS	Singlemode UPC : blue Singlemode APC : green Multimode : beige
INSERTION FIXATION	Push-pull 2 x M2 screws and/or snap on with metal clip

Properties

MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P = 0.2 dB
	Retention force	(IEC 61300-2-1) > 2N - 5.9N
OPTICAL	Insertion Loss MMw	0.20 dB to 0.30 dB
	Insertion Loss SM	0.10 dB to 0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 XX T SC YY WW	SC XX Y W adapter	Pack of 6
48 XX T SC YY FL WW	SC XX Y W adapter flangeless	Pack of 6

Replace XX by the type of adapters : MM or SM

Replace YY by the type of adapters : S for SCS, D for SCD, AS for SCAS, AD for SCAD

Replace WW by color of the adapters: A (aqua) for OM3 & OM4, EV for Erica Violet (OM4), LG (OM5) for Lime Green

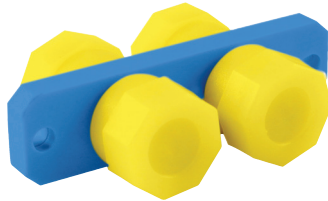
NB : MM is beige, SM-UPC is blue and SM-APC is green by default



FIBER

FIBER OPTIC ADAPTERS

FC ADAPTERS



48SMTFCDB

Benefits

- FC adapters with SC footprint
- Composite housing
- Zirconia ceramic alignment sleeve
- Available in MM, SM UPC and APC versions
- Simplex and Duplex versions available
- Duplex version allows 48 FC connections on 1U



Applications

- LAN (Local Area Network)
- LAN (Industry)
- CAN (Campus Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3,
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-2
- CECC BFOC/2.5, Bellcore/Telcordia

Characteristics

DIMENSIONS	Splx : width 22mm x depth 9.3mm x height 3mm Dplx : width 35mm x depth 9.3mm x height 3mm
SLEEVE ALIGNMENT	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Composite body
HOUSING COLORS	Singlemode UPC : blue Singlemode APC : green Multimode : beige
INSERTION FIXATION	Screw 2 x M2 screws

Properties

MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P = 0.2 dB
OPTICAL	Retention force	(IEC 61300-2-1) > 1N - 2.5N
	Insertion Loss MM	0.20 dB to 0.3 dB
	Insertion Loss SM	0.10 dB to 0.2 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 XX T FC YY WW	FC XX Y W adapter	Pack of 6
48 XX T FC YY FL WW	FC XX Y W adapter flangeless	Pack of 6

Replace XX by the type of adapters : MM or SM

Replace YY by the type of adapters : S for FCS, D for FCD, AS for FCAS, AD for FCAD

Replace WW by color of the adapters: A (aqua) for OM3 & OM4, EV for Erica Violet (OM4), LG (OM5) for Lime Green

NB : MM is beige, SM-UPC is blue and SM-APC is green by default



ST ADAPTERS



48MMTSTDBE

Benefits

- ST adapters with SC footprint
- Composite housing & zirconia ceramic sleeve
- Available in MM, SM UPC and APC
- Simplex and Duplex versions available
- Duplex version allows 48 ST connections on 1U

Applications

- LAN (Local Area Network)
- LAN (Industry)
- CAN (Campus Area Network)

Standards

- COMPONENT : IEC 60874-14, EIA/TIA 604-3,
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-2
- CECC BFOC/2.5, Bellcore/Telcordia

Characteristics

DIMENSIONS	Splx : width 22mm x depth 9.3mm x height 3mm Dplx : width 35mm x depth 9.3mm x height 3mm
SLEEVE ALIGNMENT	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Composite body
HOUSING COLORS	Singlemode UPC : blue Singlemode APC : green Multimode : beige
INSERTION FIXATION	Bayonet 2 x M2 screws

Properties

MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.75 mm P/P = 0.2 dB
	Retention force	(IEC 61300-2-1) > 1N - 2.5N
OPTICAL	Insertion Loss MM	0.20 dB to 0.3 dB
	Insertion Loss SM	0.10 dB to 0.2 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 XX T ST YY WW	ST XX Y W adapter	Pack of 6
48 XX T ST YY FL WW	ST XX Y W adapter flangeless	Pack of 6

Replace XX by the type of adapters : MM or SM

Replace YY by the type of adapters : S for STS, D for STD, AS for STAS, AD for STAD

Replace WW by color of the adapters: A (aqua) for OM3 & OM4, EV for Erica Violet (OM4), LG (OM5) for Lime Green

NB : MM is beige, SM-UPC is blue and SM-APC is green by default



FIBER

FIBER OPTIC ADAPTERS

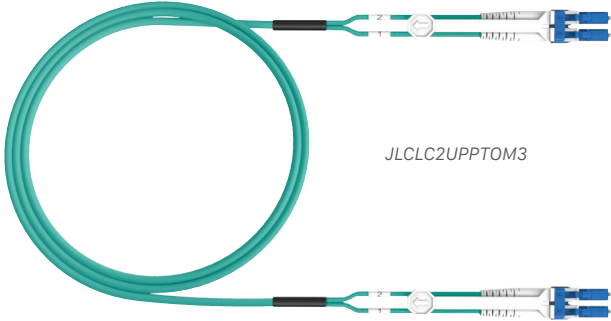


FIBER SYSTEM

FIBER OPTIC PATCHCORDS

FIBER OPTIC PATCHCORDS	
Uniboot push pull tab low bending LC duplex	141
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High grade telecom simplex / duplex	146
Simplex / duplex	147
Flat duplex	148
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UNIBOOT PUSH PULL TAB LOW BENDING LC DUPLEX



Benefits

- Round duplex 3 mm patchcords
- Push-pull tab for Data center
- Individual test report with RL & IL performance
- Standard length are 1 m, 2 m, 3 m, 5 m & 10 m
- Customised lengths on request

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2), G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260 Bellcore/Telcordia GR-326 (reduced)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	LC Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	Composite
COLOR OF SC/LC HOUSING	Multimode : beige, Aqua, Erica Violet Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 μm MM 127/128 μm

Properties

MECHANICAL	Mating cycles	> 1000 (IEC 613000-2-2) (IEC 613000-2-1)
	Vibration	
	Crush resistance	300 - 500 N / dm (short term)
OPTICAL	Bending radius	MM : 7.5 mm
	Bending radius	SM : 15-20 mm
	Return Loss (typical)	MM 35 dB SM 65 dB
ENVIRONMENTAL	Insertion Loss (typical)	From 0.15 to 0.30 dB
	Temperature range	MM-40°C to +85°C SM-60°C to +85°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
J LC LC YYY UPPT OM3 A	Round duplex multimode uniboot push-pull tab reversible LC OM3 yyym LSZH	Unit
J LC LC YYY UPPT OM4 EV	Round duplex multimode uniboot push-pull tab reversible LC OM4 yyym LSZ	Unit
J LC LC YYY UPPT OM5 LG	Round duplex multimode uniboot push-pull tab reversible LC OM5 yyym LSZ	Unit
J XXX XXX YYY UPPT OS2	Round duplex singlemode uniboot push-pull tab reversible LC OS2 (G652 D) yyym LSZH	Unit

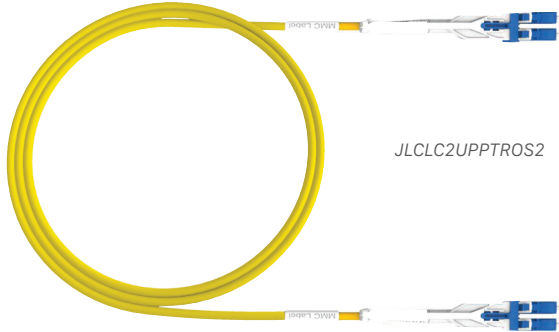
Replace xxx letter by the type of connector : LC, LCA (LC-APC)
Replace yyy letter by the lengths : from 1 to 10 m (other on demand)



FIBER

FIBER OPTIC PATCHCORDS

UNIBOOT PUSH-PULL TAB REVERSIBLE LOW BENDING LC DUPLEX



JLCLC2UPPTROS2

Benefits

- Round duplex 3 mm patchcords
- For Data center push-pull tab
- Reversible polarity
- Individual test report with RL & IL performance
- Standard length are 1 m, 2 m, 3 m, 5 m & 10 m



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260 Bellcore/Telcordia GR-326 (reduced)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	LC Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	Composite
COLOR OF SC/LC HOUSING	Multimode : beige, Aqua, Erica Violet Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 1000 (IEC 613000-2-2) (IEC 613000-2-1)
	Vibration Crush resistance Bending radius Bending radius	300 - 500 N / dm (short term) MM : 7.5 mm SM : 15-20 mm
OPTICAL	Return Loss (typical)	MM 35 dB SM 65 dB
	Insertion Loss (typical)	From 0.15 to 0.30 dB
ENVIRONMENTAL	Temperature range	MM -40°C to +85°C SM -60°C to +85°C

Ordering information

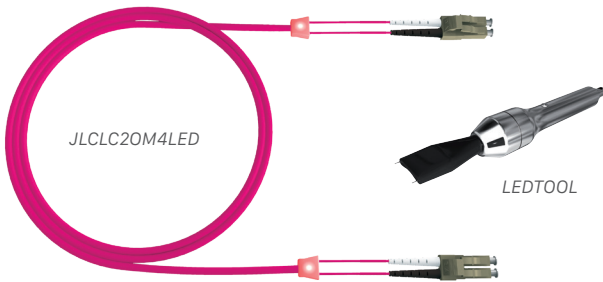
ITEMS	DESCRIPTION	PACKAGING
J LC LC YYY UPPTR OM3 A	Round duplex multimode uniboot push-pull tab reversible LC OM3 yyym LSZH	Unit
J LC LC YYY UPPTR OM4 EV	Round duplex multimode uniboot push-pull tab reversible LC OM4 yyym LSZ	Unit
J LC LC YYY UPPTR OM5 LG	Round duplex multimode uniboot push-pull tab reversible LC OM5 yyym LSZ	Unit
J XXX XXX YYY UPPTR OS2	Round duplex singlemode uniboot push-pull tab reversible LC OS2 (G652 D) yyym LSZH	Unit

Replace xxx letter by the type of connector : LC, LCA (LC-APC)

Replace yyy letter by the lengths : from 1 to 10 m (other on demand)



FIBER OPTIC LED FLAT DUPLEX



Benefits

- Flat duplex 3 x 5.2 mm for inter cabinets
- LED identification thanks to a light injection
- The injector is activated at the far end
- Far end is clearly visible from 2/3 m distance
- Customised lengths on request

Applications

- LAN (Local Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk)
- WAN (Wide Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced), UL V-0

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC; Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU, E2000 : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 1000 (IEC 613000-2-2) (IEC 613000-2-1)
	Vibration Tensile load Crush resistance Bending radius	250N - 450N (short term) 500N / dm 40 mm
	OPTICAL	Return Loss (typical)
Insertion Loss (typical)		MM 0.35 dB
ENVIRONMENTAL	Temperature range	-40°C to +75°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
J XXX XXX YYY OM1 LED	LED easy ID flat duplex multimode OM1 yyym LSZH	Unit
J XXX XXX YYY OM2 LED	LED easy ID flat duplex multimode OM2 yyym LSZH	Unit
J XXX XXX YYY OM3 LED	LED easy ID flat duplex multimode OM3 yyym LSZH	Unit
J XXX XXX YYY OM4 LED	LED easy ID flat duplex multimode OM4 yyym LSZH	Unit
J XXX XXX YYY OM5 LED	LED easy ID flat duplex multimode OM5 yyym LSZH	Unit
J XXX XXX YYY OS2 LED	LED easy ID flat duplex singlemode OS2 (G652 D) yyym LSZH	Unit
LED TOOL	LED injection tool	Unit
LED COIN	Spare coin cell for led activation tool	Unit

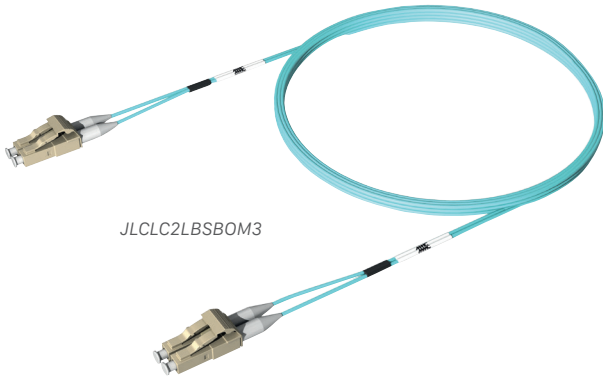
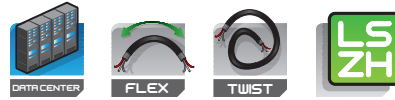
Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 20 m (other on demand according to a maximum of 200 m)



FIBER

FIBER OPTIC PATCHCORDS

LOW BENDING SHORT BOOT DUPLEX LC



JLCLC2LBSBOM3

Benefits

- Zipccord Ø 2 mm MM & 1.6 mm SM extra flexible
- Low bending radius fiber for best in class perfs.
- LC connectors & short boots for door closing
- Individual test report with RL & IL performance
- Customised lengths on request



Applications

- LAN (Local Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk)
- WAN (Wide Area Network)
- CATV (Cable television)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 1000 (IEC 613000-2-2)
	Vibration	(IEC 613000-2-1)
OPTICAL	Crush resistance	1000N / dm
	Bending radius	MM : 7.5 mm = 0.4 dB
	Bending radius	SM : 10 mm = 0.1 dB
	Return Loss (typical)	MM > 20 dB SM > 55 dB
ENVIRONMENTAL	Insertion Loss (typical)	From 0.15 to 0.30 dB
	Temperature range	-20°C to +70°C

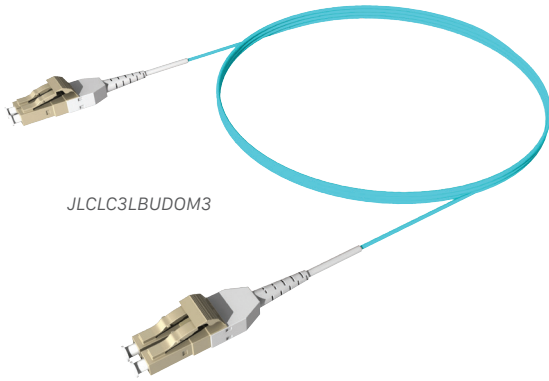
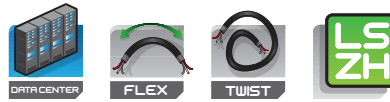
Ordering information

ITEMS	DESCRIPTION	PACKAGING
J LC XXX YYY LBUD OM3	Low Bending Uniboot round Duplex multimode OM3 yyym LSZH	Unit
J LC XXX YYY LBUD OM4	Low Bending Uniboot round Duplex multimode OM4 yyym LSZH	Unit
J LC XXX YYY LBUD OM5	Low Bending Uniboot round Duplex multimode OM5 yyym LSZH	Unit
J XXX XXX YYY LBUD OS2	Low Bending Uniboot round Duplex singlemode OS2 (657 A2) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
 Replace yyy letter by the lengths : from 1 to 25m (other on demand)



LOW BENDING UNIBOOT DUPLEX LC



JLCLC3LBUDOM3

Benefits

- Round duplex Ø 3 mm extra flexible
- Low bending radius FO for best in class perfs
- LC connectors with uniboosts more
- Individual test report with RL & IL performance
- Customised lengths on request

Applications

- LAN (Local Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk)
- WAN (Wide Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 1000 (IEC 613000-2-2) (IEC 613000-2-1)
	Vibration Crush resistance Bending radius Bending radius	300 - 500 N / dm (short term) MM : 7.5 mm SM : 15-20 mm
OPTICAL	Return Loss (typical)	MM > 35 dB SM > 40 dB
	Insertion Loss (typical)	From 0.15 to 0.30 dB
ENVIRONMENTAL	Temperature range	MM -40°C to +85°C SM -60°C to +85°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
J LC XXX YYY LBUD OM3	Low Bending Uniboot round Duplex multimode OM3 yyym LSZH	Unit
J LC XXX YYY LBUD OM4	Low Bending Uniboot round Duplex multimode OM4 yyym LSZH	Unit
J LC XXX YYY LBUD OM5	Low Bending Uniboot round Duplex multimode OM5 yyym LSZH	Unit
J XXX XXX YYY LBUD OS2	Low Bending Uniboot round Duplex singlemode OS2 (657 A2) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 25m (other on demand)



FIBER

FIBER OPTIC PATCHCORDS

HIGH GRADE TELECOM SIMPLEX / DUPLEX



Benefits

- Simplex or zipcord duplex Ø 1.6 mm
- Accuracy photonic fiber & grade A connectors
- Interferometry test report (geometrical 3D)
- P/N and the S/N is also on the test report
- Standard lengths are 1m 2m 3m 5m 10m & 15m



Applications

- MAN (Metropolitan Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

Standards

- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	blue, green
FERULE MATERIAL SIZE OF FERULE SM	Ceramic zirconia (ZrO2) SM 125/126µm

Properties

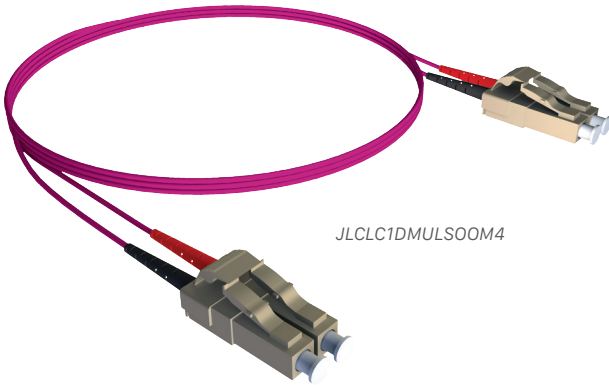
MECHANICAL	Mating cycles	> 500 (IEC 613000-2-2)
	Vibration	(IEC 613000-2-1)
	Tensile load Crush resistance	90N 1000N / dm
OPTICAL	Return Loss (typical)	55/70 dB
	Insertion Loss (typical)	From 0.1 to 0.20 dB
ENVIRONMENTAL	Temperature range	-20°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
J XXX XXX YYY S HG 7A2	Simplex or zipcord High Grade duplex singlemode OS2 (G657 A2) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
 Replace yyy letter by the lengths : from 1 to 25 m (other on demand)
 Change S for D letter before HG for duplex patchcords

LAN - CAN SIMPLEX / DUPLEX



JLCLC1DMULS00M4

Benefits

- Simplex or zipcord duplex 3 mm patchcords
- For universal purpose
- Individual test report with RL & IL performance
- Standard length are 1 m, 2 m, 3 m, 5 m & 10 m
- Customised lengths on request

Applications

- LAN (Local Area Network),
- CAN (Campus Area Network)

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260 Bellcore/Telcordia GR-326 (reduced)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 μm MM 127/128 μm

Properties

MECHANICAL	Mating cycles	> 1000 (IEC 61300-2-2) (IEC 61300-2-1)
	Vibration	
	Tensile load	250N - 450N (short term)
	Crush resistance	1000N / dm
OPTICAL	Bending radius	40 mm
	Return Loss (typical)	MM 35 dB SM 65 dB
	Insertion Loss (typical)	0.3 dB
ENVIRONMENTAL	Temperature range	-20°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
J XXX XXX YYY D OM1	Zipcord duplex multimode OM1 yyym LSZH	Unit
J XXX XXX YYY D OM2	Zipcord duplex multimode OM2 yyym LSZH	Unit
J XXX XXX YYY D OM3	Zipcord duplex multimode OM3 yyym LSZH	Unit
J XXX XXX YYY D OM4	Zipcord duplex multimode OM4 yyym LSZH	Unit
J XXX XXX YYY D OM5	Zipcord duplex multimode OM5 yyym LSZH	Unit
J XXX XXX YYY D OS2	Zipcord duplex singlemode OS2 (G652 D) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)

Replace yyy letter by the lengths : from 1 to 10 m (other on demand)

Replace D letter by S for simplex patchcords



FIBER

FIBER OPTIC PATCHCORDS

LAN - CAN FLAT DUPLEX



Benefits

- Flat duplex 2.8 x 5.6 mm patchcords
- For inter cabinets or riser links
- Ideal for links beyond 10 m, up to 50 m
- Individual test report with RL & IL performance
- Customised lengths on request

Applications

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)

Standards

- IEC 60793-2-10 : A1b (OM1), A1a 1(om2), A1a 2(OM3), A1a 3(OM4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (REDUCED)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 1000 (IEC 61300-2-2) (IEC 61300-2-1)
	Vibration Tensile load Crush resistance Bending radius	250N - 450N (short term) 2000N / dm 40 mm
	OPTICAL	Return Loss (typical)
Insertion Loss (typical)		0.25 dB
ENVIRONMENTAL	Temperature range	-5°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
J XXX XXX YYY FD OM1	Reinforced flat duplex multimode OM1 yyym LSZH	Unit
J XXX XXX YYY FD OM2	Reinforced flat duplex multimode OM2 yyym LSZH	Unit
J XXX XXX YYY FD OM3	Reinforced flat duplex multimode OM3 yyym LSZH	Unit
J XXX XXX YYY FD OM4	Reinforced flat duplex multimode OM4 yyym LSZH	Unit
J XXX XXX YYY FD OM5	Reinforced flat duplex multimode OM5 yyym LSZH	Unit
J XXX XXX YYY FD OS2	Reinforced flat duplex singlemode OS2 (G652 D) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 50 m (other on demand)



STEEL ARMORED ROUND DUPLEX



JSCSC5ARDOM2



Benefits

- Steel armored round duplex Ø 3.2 mm
- Ideal for links beyond 100 m
- Double stainless steel armor
- Customised lengths on request

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- FTTH (Fibre-To-The-Home)
- WAN (Wide Area Network)
- TACTICAL (Indoor military, security, severe & rodent environment)

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC; Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced)

Properties

MECHANICAL	Mating cycles	> 1000
	Vibration	According to IEC 613000-2-2
	Tensile load	According to IEC 613000-2-1
	Crush resistance	200 N - 300N (short term)
OPTICAL	Bending radius	3000N / dm
	Return Loss (typical)	25 mm
	Insertion Loss (typical)	MM > 35 dB SM > 55 dB
	Insertion Loss (typical)	0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +85°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
J XXX XXX YYARD OM1	Steel armored round duplex multimode OM1 yyym LSZH	Unit
J XXX XXX YYARD OM2	Steel armored round duplex multimode OM2 yyym LSZH	Unit
J XXX XXX YYARD OM3	Steel armored round duplex multimode OM3 yyym LSZH	Unit
J XXX XXX YYARD OM4	Steel armored round duplex multimode OM4 yyym LSZH	Unit
J XXX XXX YYARD OM5	Steel armored round duplex multimode OM5 yyym LSZH	Unit
J XXX XXX YYARD OS2	Steel armored round duplex singlemode OS2 (G652 D) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 100m and more (other on demand)



FIBER

FIBER OPTIC PATCHCORDS

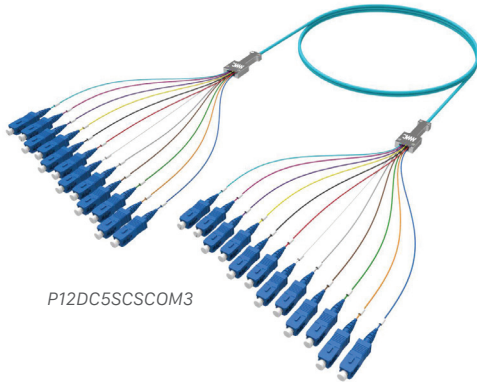


FIBER SYSTEM

PRE-TERMINATED FIBER OPTIC LINKS

PRE-TERMINATED FIBER OPTIC LINKS	
DC micro break out preterm	150
M micro break out preterminated	151
I indoor mini break out preterminated	152
S indoor/outdoor standard preterminated	153

DC MICRO BREAK OUT PRETERM



P12DC5SCSCOM3

Benefits

- Indoor preterminated link with pulling protection
- Micro cable & OD 3.4 mm (24fo)
- Indoor use in protected narrow environment
- OTDR tests for links > 100m, shorter with IL/RL
- Available in 12 or 24 cores, customised length

Applications

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : indoor
- PULLING CONDITIONS : Uncoiling between 2 cabinets

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 2(om3) A1a 3(om4) A1a4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2 EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced), GR-409-CORE

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 2000 (IEC 613000-2-2)
	Tensile load	160N
	Crush resistance	950N/dm(12 fo)-700N / dm (24 fo)
OPTICAL	Bending radius	≥ 5 x Ø
	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range	-40°C to +70°C
	Fire rating	IEC 60332-1, 60332-3

Ordering information

ITEM	DESCRIPTION	PACKAGING
P AA DC YYY XXX XXX ZZZ	Indoor Micro-core loose tube preterminated fiber link LSZH	Unit

Replace yyy letter by the lengths : from 2m and more

Replace xxx letter by the type of connectors : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)

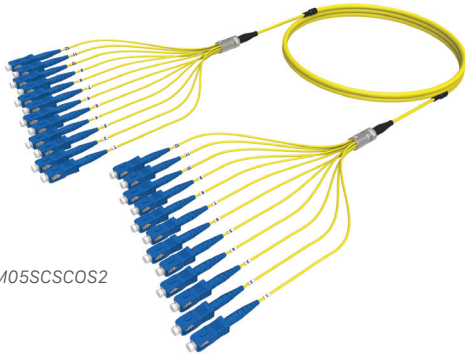
Replace ZZZ by the fiber performance: OM1, OM2, OM3; OM4, OM5, OS2



FIBER

PRE-TERMINATED FIBER OPTIC LINKS

M MICRO BREAK OUT PRETERMINATED



P12M05SCSCOS2

Benefits

- Indoor preterminated link with pulling protection
- Micro cable & OD 3.4 mm (24fo)
- Indoor use in protected narrow environment
- OTDR tests for links > 100m, shorter with IL/RL
- Available in 12 or 24 cores, customised length



Applications

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : indoor
- PULLING CONDITIONS : Easy pulling & Uncoiling between 2 cabinets with the best mechanical protection

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2 EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced), GR-409-CORE

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 2000 (IEC 61300-2-2)
	Tensile load Crush resistance Bending radius	160N 950N/dm(12 fo)-700N / dm (24 fo) ≥ 5 x Ø
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-40°C to +70°C IEC 60332-1, 60332-3

Ordering information

ITEM	DESCRIPTION	PACKAGING
P AA M YYY XXX XXX ZZZ	Indoor Micro-core loose tube preterminated fiber link LSZH	Unit
P AA MA YYY XXX XXX ZZZ	Indoor Armored Micro-core loose tube preterminated fiber link LSZH	Unit

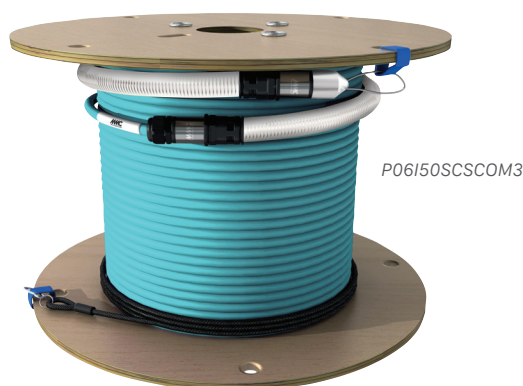
Replace yyy letter by the lengths : from 2m and more

Replace xxx letter by the type of connectors : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)

Replace ZZZ by the fiber performance: OM1, OM2, OM3; OM4, OM5, OS2



I INDOOR MINI BREAK OUT PRETERMINATED



Benefits

- Indoor preterminated link
- with corrugated pulling protection
- Tight buffered cable Ø 900 µm with glass yarn
- Indoor use in protected pulling conditions
- OTDR tests for links beyond 100m

Applications

- LAN (Local Area Network)
- ENVIRONMENT : Indoor / Universal
- PULLING CONDITIONS : Uncoiling
- Link types : Horizontal or vertical cabling

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 2(om3) A1a 3(om4) A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2), G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced), GR-409-CORE

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126µm MM 127/128µm

Properties

MECHANICAL	Mating cycles	> 2000 (IEC 613000-2-2)
	Vibration	(IEC 613000-2-1)
	Tensile load Crush resistance Bending radius	400N 2000N / dm 20 x Ø
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-20°C to +70°C IEC 60332-1, IEC 60332-3

Ordering information

ITEM	DESCRIPTION	PACKAGING
P AA I YYY XXX XXX ZZZ	Indoor mini break-out preterminated fiber link LSZH	Unit

Replace aa letter by the fiber numbers : 4 / 6 / 8 / 12 / 24 fibers

Replace yyy letter by the length in meters : from 1 up to the limits of the standard

Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000

Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OM5, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)



FIBER

PRE-TERMINATED FIBER OPTIC LINKS

S INDOOR/OUTDOOR STANDARD PRETERMINATED



Benefits

- Preterminated in/outdoor FO link
- With corrugated pulling protection
- Loose tube Ø 250 µm + gel + glass yarn
- Universal use in protected pulling conditions
- OTDR tests for links > 100 m



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- ENVIRONMENT : indoor / universal / outdoor
- PULLING CONDITIONS : Easy pulling campus aerial
- Link types : Horizontal cabling

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced), GR-409-CORE

Characteristics

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC; Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

Properties

MECHANICAL	Mating cycles	> 2000 (IEC 613000-2-2)
	Tensile load Crush resistance Bending radius	800N 2000N / dm 140 mm (4 to 12 fibers) 150 mm (24 fibers)
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dBmeter (<100 m)
ENVIRONMENTAL	Temperature range	-40°C to +70°C
	Fire rating	IEC 60332-1, IEC 60332-3

Ordering information

ITEM	DESCRIPTION	PACKAGING
P AA S YYY XXX XXX ZZZ	Standard Indoor / Universal / Outdoor loose tube perterminated fiber link LSZH	Unit

Replace aa letter by the fiber numbers : 4 / 6 / 8 / 12 / 24 fibers

Replace yyy letter by the length in meters : from 1 up to the limits of the standard

Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000

Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OM5, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)



FIBER

PRE-TERMINATED FIBER OPTIC LINKS

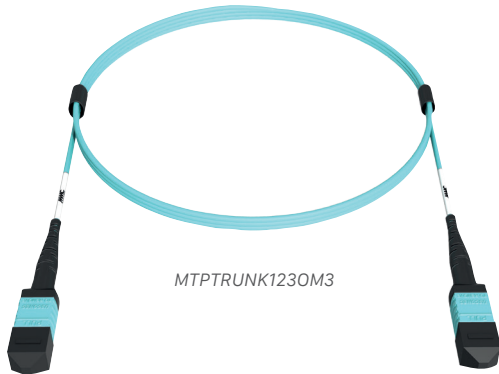


FIBER SYSTEM

FIBER OPTIC MTP® SYSTEM

FIBER OPTIC MTP® SYSTEM	
Indoor micro-core MTP® TRUNK	156
Indoor micro-core MTP® FAN OUT	157

INDOOR MICRO-CORE PRETERMINATED MTP® LINK



Benefits

- Micro break-out Ø 250 µm Ø 3.0 mm (12fo) LSZH
- Indoor compact use in narrow environment
- Simple jacket < 10 m,
- Double jacket >10 m, for internal use
- Armored & double jacket >10 m, for internal use

Applications

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : indoor using MTP® connectivity
- PULLING CONDITIONS : Easy pulling & Uncoiling
- Link types : between 2 cabinets

Standards

- IEC 60793-2-10 : A1b (om1), A1a 1(om2), A1a 2(om3), A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced), GR-409-CORE

Characteristics

CONNECTOR TYPES POLISHING QUALITY	MTP® female, Standard or Elite Multimode 12c: UPC standard Multimode 24c: UPC Elite Singlemode : APC Elite
MATERIAL OF CONNECTOR COLOR OF MTP HOUSING	Polyetherimide body Multimode : black Singlemode : black / yellow Push-Pull tab available as an option
CONSTRUCTION	Aramid or corrugated steel

Properties

MECHANICAL	Mating cycles	> 500 (IEC 613000-2-2)
	Tensile load	150N - 300N - 400N - 800N
	Crush resistance	500-1000-5000N / 100 mm
OPTICAL	Bending radius	≥ 30-45 mm
	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range	TRUNK : -5°C to +70°C RUG/C : -20°C to +60°C
	Fire rating	IEC 60332-1, IEC 60332-3

Ordering information

ITEMS	Description	Packaging
MTP TRUNK XX ZZZ YYY	Indoor micro-core single jacket perterminated MTP® fiber link LSZH < 10 m	Unit
MTP RUG XX ZZZ YYY	Indoor micro-core double jacket perterminated MTP® fiber link LSZH > 10 m	Unit
MTP C XX ZZZ YYY	Indoor micro-core corrugated steel double jacket perterminated MTP® fiber link LSZH > 10 m	Unit

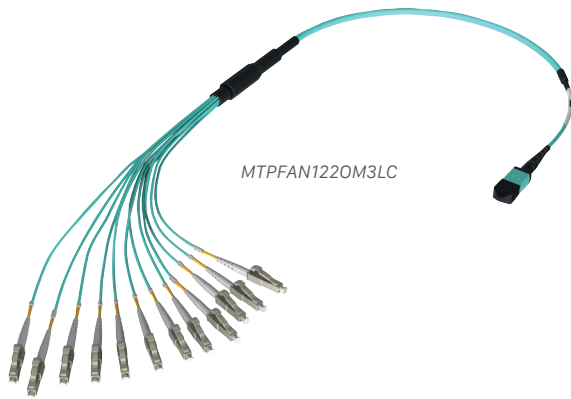
Replace xx letter by the fiber numbers : 12 / 24 fibers

Replace zzz letter by the length in meters : from 1 up to 10 meters (TRUNK), more than 10m to the limit of the norm for (RUG, C)

Replace yyy letter by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)



INDOOR MICRO-CORE PRETERMINATED MTP® FAN OUT



Benefits

- Indoor FO link with MTP® / LC or SC
- Micro break-out Ø 3.0 mm (12fo) LSZH
- Simple jacket < 10 m,
- Double LSZH jacket >10 m, for internal use
- Armored & double jacket >10 m, for internal use

Applications

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : indoor using MTP® connectivity
- PULLING CONDITIONS : Easy pulling & Uncoiling
- Link types : between 2 cabinets

Standards

- IEC 60793-2-10 : A1a 2(om3) A1a 3(om4), A1a 4(om5)
- IEC 60793-2-50 : B1.3 (oS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2 EIA/TIA 568-C.3 EN 50173-1: 2002
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (reduced), GR-409-CORE

Characteristics

CONNECTOR TYPES POLISHING QUALITY	MTP® male, Standard or Elite Multimode 12c: UPC standard Multimode 24c: UPC Elite Singlemode : APC Elite
FEATURES	Multicore patchcord, 1 side is MTP®, the other side is SC, LC, (others on request)
CONSTRUCTION	Aramid or corrugated steel for optimum strength

Properties

MECHANICAL	Mating cycles	> 500 (IEC 613000-2-2)
	Tensile load	400N - 800N
	Crush resistance	1000-5000N / 100 mm
OPTICAL	Bending radius	≥ 30-45 mm
	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range	-20°C to +60°C
	Fire rating	IEC 60332-1, IEC 60332-3

Ordering information

ITEMS	Description	Packaging
MTP FAN XX ZZZ YYY AAA BB	Indoor micro-core single jacket perterminated MTP® fiber link LSZH < 10 m	Unit
MTP FAN C XX ZZZ YYY BB	Indoor micro-core corrugated steel double jacket perterminated MTP® fiber link LSZH > 10 m	Unit

Replace xx letter by the fiber numbers : 12 / 24 fibers

Replace zzz letter by the length in meters : from 1 up to 10 m (MTP® FAN), more than 10 m to the limit of the norm for (MTP® FAN C)

Replace yyy letter by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

Replace aaa letter by the connectors : UPC : SC, LC - APC : SCA & LCA

Replace BB letter by 1C or 2C for 1 x MTP connector 24c or 2 x MTP 12c connectors (only for MTP 24 preterms)



FIBER

FIBER OPTIC MTP SYSTEM



FIBER SYSTEM

FIBER OPTIC WALL BOXES, OUTLETS AND CLOSURES

FIBER OPTIC WALL BOXES AND OUTLETS

FO box 48BMOP3P indoor	159
FO box 24 FO IP65 48BMOP24IP65PN outdoor	160
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FIBER CLOSURES IP68

Dome closure up to 192FO heatshrink / mechanical sealing	166
Inline closure up to 144FO mechanical sealing	167

SURFACE & WALL MOUNTED FO BOX 48BMOP3P



Benefits

- Fiber optic access point
- STD, SCD or LCQ adapters can be mixed in the
- Easy ID, label holders, numbers and icons
- Accepts tight buffered fibers only, SM/MM
- Integrated routing management hooks

Applications

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk)
- ENVIRONMENT : indoor

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14
IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 180 mm x depth 150 mm x height 33.33 mm
MATERIAL	ABS coupound with powder coating RAL 9003
FEATURES	Surface/wall mounted box for 3 x adapter plates No splicing possibility
INPUT	2 x rear cable entries 2 x side cable entries

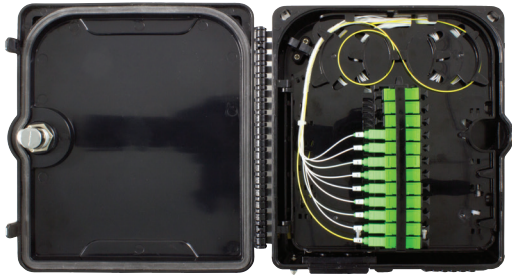
Properties

MECHANICAL	Net weight (unloaded)	0.20 Kg
	Compatible adapters	STD, SCD, LCQ
	Maximum Density	6 fo (ø 3 mm cable) 12 fo (ø 1.6 mm)
ENVIRONMENTAL	Temperature range	-15°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48BMOP3P	Unloaded surface & wall mounted FO box	Unit
48BMOPSC	Unloaded adapter plate for 1 x STD, SCD, LCQ (plastic, SC D footprint) adapter	Unit
48BMOPOB	Blank adapter plate for unused port	Unit

OUTDOOR FO BOX 24 FO IP65



48BMOP24IP65PN

BENEFITS

- Suitable for outdoor connections
- Protects connection from dust or water ingress
- Ready to receive STS, SCS or LCD
- For tight buffered, loose or armoured cable
- 2 sides splice tray up with adapters, down splice



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)
- FTTA (Fibre-To-The-Antenna)
- ENVIRONMENT : Outdoor (or Indoor)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-1 IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 168 mm x depth 65 mm x height 210 mm
MATERIAL	ABS coupond with powder coating RAL 9005 Supplied with heatshinks, snake tube, cable ties wall/pole mount accessories & a key
FEATURES	Lockable outdoor IP65 fiber wall box suitable for interconnections (backbone/distribution)
INPUT	1 x 20 mm cable entries 2 x 20 mm cable output

Properties

MECHANICAL	Net weight (unloaded)	0.85 Kg
	Compatible adapters :	STS, SCS, LCD
ENVIRONMENTAL	Maximum Density	24 fo (without splicing) 12 fo (with or without splicing)
	Temperature range Reaction to UV	-40°C to +65°C UV protected

Ordering information

ITEM	DESCRIPTION	PACKAGING
48BMOP24IP65PN	Unloaded IP 65 fiber wall box for 12/24 fibers including mounting kit and heatshinks tubes	Unit
48BMOP XX Z YYYY WWW	Loaded IP 65 fiber wall box	Unit

Replace X by number of adapters/pigtails : 12 adapters or 24 pigtails
 Replace Z letter by A or P : A for adapters only, P for pigtails and adapters
 Replace YYYY by the type of adapters : STS, SCS, LCD, FCS, SCAS (SC-APC), LCAD (LC-APC), FCAS (FC-APC),
 Replace WWW by the performance of adapters: MUL (beige) MONO (blue or green)
 Replace WWW by the pigtails performance: OM1, OM2, OM3; OM4, OM5, OS2



OUTDOOR FO BOX 48 FO IP65



48BMOP48IP65PN

BENEFITS

- Suitable for outdoor connections
- Protects connection from dust or water ingress
- Ready to receive STS, SCS or LCD
- For tight buffered, loose or armoured cable
- 2 side splice tray up with adapters, down splice

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)
- FTTA (Fibre-To-The-Antenna)
- ENVIRONMENT : Outdoor (or Indoor)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14 IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 265 mm x depth 100 mm x height 345 mm
MATERIAL	ABS coupound with powder coating RAL 9005 Supplied with heatshinks, snake tube, cable ties wall/pole mount accessories & a key
FEATURES	Lockable outdoor IP65 fiber wall box suitable for interconnections (backbone/distribution)
INPUT / OUPUT	2 x PG16 cable glands for cable input 2 x 20 mm cable input or output 3 x sealed cable gland 20 mm for 3 x 8 fibers output

Properties

MECHANICAL	Net weight (unloaded)	1.80 Kg
	Compatible adapters	STS, SCS, LCD
ENVIRONMENTAL	Maximum Density	48 fo (without splicing) 24 fo (with or without splicing)
	Temperature range Reaction to UV	-40°C to +65°C UV protected

Ordering information

ITEM	DESCRIPTION	PACKAGING
48BMOP48IP65PN	Unloaded IP 65 fiber wall box for 24/48 fibers including mounting kit and heathshinks tubes	Unit
48BMOP XX Z YYYY WWW	Loaded IP 65 fiber wall box	Unit

Replace X by number of adapters/pigtails : 24 adapters or 48 pigtails
 Replace Z letter by A or P : A for adapters only, P for pigtails and adapters
 Replace YYYY by the type of adapters : STS, SCS, LCD, FCS, SCAS (SC-APC), LCAD (LC-APC), FCAS (FC-APC),
 Replace WWW by the performance of adapters: MUL (beige) MONO (blue or green)
 Replace WWW by the pigtails' performance: OM1, OM2, OM3; OM4, OM5, OS2



FIBER

FIBER OPTIC WALL BOXES & OUTLETS

FTTBOX 1U METAL FO BOX FOR 2 LGX MODULES



FTTBOX1U



Benefits

- Wall mounted as a floor box or 19" 1U fiber panel
- Splicing area is totally protected
- Fixed panel
- Receives up to 2 LGX modules - 48fo (LCD)
- Can mix fiber, RJ45 and XLR connections



Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTH (Fibre-To-The-Home), FTTD (Fibre-To-The-Desk)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 430 mm x depth 310 mm x height 40 mm
MATERIAL	Steel 12/10 with powder coating RAL 7016 Supplied with snake tube, cable ties, glands & key
FEATURES	Lockable indoor combo wall box - 19" 1U panel Fixed panel
INPUT / OUTPUT	2 x 25mm cable glands for cable input 2 x 20 mm cable input or input Side rubber output of patchcords

Properties

MECHANICAL	Net weight (unloaded)	3.4 Kg
	Compatible adapters	ST, SC, LC, XLR, RJ45
	Maximum Density	144 fo
ENVIRONMENTAL	Temperature range	-40°C to +50°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
FTTBOX1U	Unloaded wallbox/19" 1U for 2 LGX modules	Unit



FTTBOX 2U METAL FO BOX FOR 6 LGX MODULES



FTTBOX2U



Benefits

- Wall mounted as a floor box or 19" 2U fiber panel
- Splicing area is totally protected
- Sliding drawer for easier access of technician
- Receives up to 6 LGX modules - 144fo (LCD)
- Can mix fiber, RJ45 and XLR connections

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 485 mm x depth 285 mm x height 85 mm
MATERIAL	Steel 12/10 with powder coating RAL 7016 Supplied with snake tube, cable ties, glands & key
FEATURES	Lockable indoor combo wall box - 19" 2U panel Sliding drawer
INPUT / OUPUT	2 x 25mm cable glands for cable input 2 x 20 mm cable input or input Side brush output of patchcords

Properties

MECHANICAL	Net weight (unloaded)	4.3 Kg
	Compatible adapters	ST, SC, LC, XLR, RJ45
	Maximum Density	144 fo
ENVIRONMENTAL	Temperature range	-40°C to +50°C

Ordering information

ITEM	DESCRIPTION	PACKAGING
FTTBOX2U	Unloaded wallbox/19" 2U for 6 LGX modules	Unit



FIBER

FIBER OPTIC WALL BOXES & OUTLETS

FACEPLATE FOR USERS' OUTLET 48MMP FOR FTTD



48MMP2SCD



Benefits

- 45x45 faceplate for FTTD MM or SM indoor
- Receives 8 fo on 2 x LCQ or 4 fo on 2 x SCD
- Also suitable for 2 x ST or FC duplex adapters
- Horizontal or vertical mounting on a pole
- Angled in order to save depth into the ducts

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- FTTD (Fibre-To-The-Desk)
- ENVIRONMENT : Outdoor

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 45 mm x height 45 mm
MATERIAL	Polycarbonate (PC) RAL 9010
FEATURES	Angled faceplate for fiber adapters Suitable for user's outlet

Properties

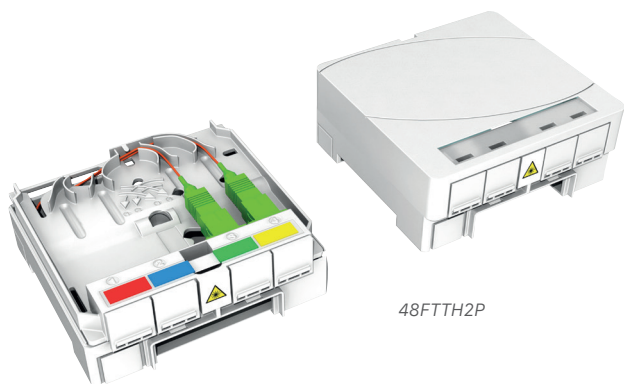
MECHANICAL	Bending radius	Protected with most of popular cable ducts.
	Compatible adapters	STD, SCD, LCQ
	Maximum Density	8 fo (without splicing)
ENVIRONMENTAL	Temperature range	-10°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48MMP2SCD	45 x 45 mm faceplate for 2 x SCD or LCQ - RAL 9010	Pack of 6
48MMP2SCS	45 x 45 mm faceplate for 2 x SCS or LCD - RAL 9010	Pack of 6
WPF45R9003	86 x 86 mm wallplate UK style 1 gang - 45x45 mm inner space - RAL 9003	Unit
WP8686R9003	86 x 86 mm surface back box UK style 1 gang - depth 45 mm - RAL 9003	Unit



END USERS' OUTLET FOR 48FTTH X FOR FTTH



48FTTH2P

Benefits

- Users' outlet for FTTH applications
- 4 fo between drops or indoor subscriber cable
- Can be wall flush mounted on a 35 mm DIN rail
- Allows fiber storage on 2 independent levels
- Allows the use of heatshinks

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)
- FTTA (Fibre-To-The-Antenna)
- ENVIRONMENT : Outdoor (or Indoor)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14 IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	Width 82 mm x depth 32 mm x height 90 mm Mounting distance for screws 60 mm
MATERIAL	ABS-PC RAL 9010
FEATURES	Wall or flush mounted box for user's outlet For 2 SC Duplex adapters or 2 SC Simplex adapters

Properties

MECHANICAL	Tensile load Bending radius	≥ 10daN ≥ 15 mm Splice tray included
OPTICAL	Compatible adapters	SCS, LCD, SCD, LCQ
	Maximum Density	4 fo
ENVIRONMENTAL	Temperature range	-10°C to +60°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48FTTH2	Unloaded outlet for 1 user, receives 2 Simplex SC APC adapters	Unit
48FTTH4	Unloaded outlet for 2 users, receives 2 Duplex SC APC adapters	Unit
48FTTH2P	Unloaded outlet for 1 user + pigtails and adapters	Unit
48FTTH4P	Unloaded outlet for 2 users + pigtails and adapters	Unit



FIBER

FIBER OPTIC WALL BOXES & OUTLETS

DOME CLOSURE UP TO 192FO HEATSHRINK / MECHANICAL SEALING



48 BJ OP V 192 IP68P G

Benefits

- For outdoor aerial, pole or wall applications
- Duct installation or direct buried
- Protects from dust, impacts or water ingress.
- Five versions, maximum up to 192 fibers.
- Compatible with 48K724FO2298 splice tray



Applications

- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTDD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)
- WAN (Wide Area Network)

Standards

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14
IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	96FO heatshrink version : 457mm x 140mm 192FO heatshrink version : 578mm x 218mm 144FO ring gasket version : 466mm x 199mm 192FO ring gasket version : 532mm x 246mm
MATERIAL	PP compound with powder coating RAL 9005 Supplied with all accessories excepted splice trays
FEATURES	Outdoor IP68 dome fiber closure suitable for telecom installations on MAN & WAN
INPUT / OUPUT	6 inputs

Properties

MECHANICAL	Net weight (unloaded)	From 3 to 6.5 Kg depending on version
	Compatible adapters	Up to 48 SCS
	Maximum Density	192 fo
ENVIRONMENTAL	Temperature range	-45°C to +70°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 BJ OP V 96 IP68P H	IP68 dome closure for 96 fibers heat shrink	Unit
48 BJ OP V 144 IP68P H	IP68 dome closure for 144 fibers heat shrink	Unit
J48 BJ OP V 192 IP68P H	IP68 dome closure for 192 fibers heat shrink	Unit
48 BJ OP V 144 IP68P G	IP68 dome closure or 144 fibers silicone ring gasket	Unit
48 BJ OP V 192 IP68P G	IP68 dome closure or 192 fibers silicone ring gasket	Unit
48 K7 24FO 2298	Splice tray 24fo	Unit



INLINE CLOSURE UP TO 144FO MECHANICAL SEALING



48BJOPH144IP68P

Benefits

- suitable for outdoor aerial applications
- Duct installation or direct buried
- Protects from dust, impacts or water ingress.
- Five versions, maximum up to 144 fibers.
- Compatible with 48K724FO2298 splice tray

Applications

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)

Standards

- OPTICAL Performances : IEC 61754-20, IEC 61754-14 IEC 61754-7
- OPTICAL System : ISO 11801 ED2.2, EIA/TIA 568-C.3

Characteristics

DIMENSIONS	170mm x 110mm x 430mm
MATERIAL	PC compound with powder coating RAL 9005 Supplied with all accessories excepted splice trays
FEATURES	Outdoor IP68 inline fiber closure suitable for telecom installations on MAN & WAN
INPUT / OUPUT	6 inputs/output

Properties

MECHANICAL	Net weight (unloaded)	From 3.2 kg
	Compatible adapters	not applicable
ENVIRONMENTAL	Maximum Density	144 fo
	Temperature range	-45°C to +70°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
48 BJ OP H 144 IP68P	IP68 dome closure for 96 fibers heat shrink	Unit
48 K7 24FO 2298	Splice tray 24fo	Unit



FIBER

FIBRE CLOSURES IP68



RACKS SYSTEM

CABINET

SERVER RANGE CABINETS

Server range cabinet	169
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TECHNIC RANGE CABINETS

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ESSENTIAL RANGE CABINETS

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Essential range cabinet flat pack	173

CABINETS EQUIPEMENT

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Castor and leveling feet	175
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SERVER RANGE CABINET



S42810



Benefits

- Aluminium angle and reinforced bar for a loading capacity up to 1000 Kg
- 12U additionally available in vertical way
- 180° opening doors to a better accessibility on the cabinet
- 80% perforation ratio
- Elegant design

Characteristics

SKELETON	Reinforced 2 mm steel structure Aluminium diecast tryedre
MOUNTING	Front & rear 19" mounting equipped with 3 vertical U
FRONT DOOR	80% perforated double door (width 800) 80% perforated single door (width 600)
BACK DOOR	80% perforated double door (width 800) 80% perforated single door (width 600)
ROOF	Simple roof with perforation for natural ventilation
CABLE MANAGEMENT	Large cable entry equipped with brush panel for <i>Top of server</i> configuration
COATING	Black RAL 9005 Epoxy painting

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK10 compliant to EN62262
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
S42610	19" mounting cabinet 42U 600 x 1000 SERVER range	Unit
S42810	19" mounting cabinet 42U 800 x 1000 SERVER range	Unit
S42812	19" mounting cabinet 42U 800 x 1200 SERVER range	Unit
S47810	19" mounting cabinet 47U 800 x 1000 SERVER range	Unit
S47812	19" mounting cabinet 47U 800 x 1200 SERVER range	Unit



RACKS

SERVER RANGE CABINET

TECHNIC RANGE CABINET



T4288



Benefits

- Aluminium angle and reinforced bar for a loading capacity up to 800 Kg
- 12U additionally available in vertical way
- more than 180° opening doors to a better accessibility on the cabinet
- Open access up to 550 mm on the roof with a panel brush and sliding access on the bottom
- Vertical cable management for patch cords
- Elegant design



Characteristics

SKELETON	Reinforced 2 mm steel structure Aluminium diecast tryedre
MOUNTING	Front & rear 19" mounting equipped with 3 vertical U
FRONT DOOR	Secured and tempered glassed double door (width 800) Secured and tempered glassed single door (width 600)
BACK DOOR	Full metal double door
ROOF	Double roof extra slim equipped with large aperture
CABLE MANAGEMENT	Vertical cable management
COATING	Anthracite grey RAL 7016 Epoxy painting

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09 compliant to EN62262
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
T2766	19" cabinet 27U 600 x 600 TECHNIC range	Unit
T3388	19" cabinet 33U 800 x 800 TECHNIC range	Unit
T4266	19" cabinet 42U 600 x 600 TECHNIC range	Unit
T4268	19" cabinet 42U 600 x 800 TECHNIC range	Unit
T4286	19" cabinet 42U 800 x 600 TECHNIC range	Unit
T4288	19" cabinet 42U 800 x 800 TECHNIC range	Unit
T42810	19" cabinet 42U 800 x 1000 TECHNIC range	Unit



RACKS

TECHNIC RANGE CABINET

TECHNIC RANGE CABINET PERFORATED DOORS



T4288F2PR2P



Benefits

- Aluminium angle and reinforced bar for a loading capacity up to 800 Kg
- 80% perforation ratio
- 12U additionally available in vertical way
- Open access up to 550 mm on the roof with panel brush and sliding access on the bottom
- Vertical cable management for patch cords

Characteristics

SKELETON	Reinforced 2 mm steel structure Aluminium diecast tryedre
MOUNTING	Front & rear 19" mounting equipped with 3 vertical U
DOORS	80% perforated front and rear double door (width 800) 80% perforated front and rear single door (width 600)
ROOF	Double roof extra slim equipped with large aperture
CABLE MANAGEMENT	Vertical cable management
COATING	Anthracite grey RAL 7016 Epoxy painting

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09 compliant to EN62262
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
T4288F2PR2P	19" cabinet 42U 800 x 800 Front/Rear perforated doors TECHNIC range	Unit
T42810F2PR2P	19" cabinet 42U 800 x 1000 Front/Rear perforated doors TECHNIC range	Unit
T47810F2PR2P	19" cabinet 47U 800 x 1000 Front/Rear perforated doors TECHNIC range	Unit



RACKS

TECHNIC RANGE CABINET

ESSENTIAL RANGE CABINET



ES4288



Benefits

- Aluminium angle
- Loading capacity up to 500 Kg
- more than 180° opening doors to a better accessibility on the cabinet
- Available in flat pack mode : 70% pre-assembled



Characteristics

SKELETON	Reinforced 2 mm steel structure Aluminium diecast tryedre
MOUNTING	Front 19" mounting
FRONT DOOR	Secured and tempered single glassed door
BACK DOOR	rear panel
ROOF	Simple roof with natural perforation and pre cut entry
CABLE MANAGEMENT	Pre cut entry on each side of the roof / base empty
COATING	Anthracite grey RAL 7016 Epoxy painting

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09 compliant to EN62262
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
ES2766	19" cabinet 27U 600x600 Essential range	Unit
ES4266	19" cabinet 42U 600x600 Essential range	Unit
ES4268	19" cabinet 42U 600x800 Essential range	Unit
ES4286	19" cabinet 42U 800x600 Essential range	Unit
ES4288	19" cabinet 42U 800x800 Essential range	Unit
ACJMAR27	19" rear mounting 27U for Essential cabinet	set of 2 pcs
ACJMAR642	19" rear mounting 42U for Essential cabinet 600 mm width	set of 2 pcs
ACJMAR842	19" rear mounting 42U for Essential cabinet 800 mm width	set of 2 pcs

ESSENTIAL RANGE CABINET FLAT PACK



ES4288X

Benefits



- Flat pack: 70% pre-assembled cabinet
- Easy access to the narrow spaces
- Save storage space and cost transportation
- Easy assembly
- Assembly 15 minutes

Characteristics

STRUCTURE	Flat pack mode : 50% packing volume reduction
ASSEMBLY	based on half structure : 15minutes is necessary
PACKAGING	Reinforced wood to avoid damage during transport
WEIGHT	ES4266 : 88.6 Kg ES4268 : 100 Kg ES4286 : 105 Kg ES4288 : 115 Kg

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
ES4266X	19" flat pack cabinet 42U 600 x 600 Essential range	Flat pack
ES4268X	19" flat pack cabinet 42U 600 x 800 Essential range	Flat pack
ES4286X	19" flat pack cabinet 42U 800 x 600 Essential range	Flat pack
ES4288X	19" flat pack cabinet 27U 800 x 800 Essential range	Flat pack
ACJMAR27	19" rear mounting for 27U Essential cabinet 600mm width	set of 2 pcs
ACJMAR642	19" rear mounting for 42U Essential cabinet 600mm width	set of 2 pcs
ACJMAR842	19" rear mounting for 42U Essential cabinet 800mm width	set of 2 pcs



RACKS

ESSENTIAL RANGE CABINET

FANS AND THERMOSTAT



Benefits

- Block of 2 or 4 fan unit for 19" cabinet
- Can be mounted on Essential/Technic and Server line cabinet
- Allow air extraction in order to keep an optimal temperature inside the cabinet
- A thermostat can be added for these fans

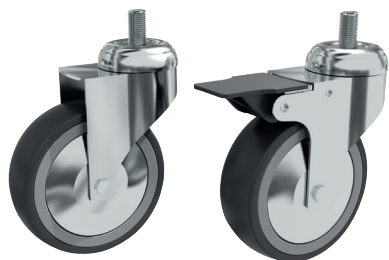
Characteristics

DIMENSION	300 x 351 x 42 mm (W x D x H) without support
ASSEMBLY	Assembly on roof by support with 4 screws from inside the cabinet
CAPACITY OF VENTILATION	150m ³ /h per ventilator
NOISE LEVEL	ACB2V : 43 dB ACB4V : 46 dB
POWER SUPPLY	230V : power cable 2,5 m length is provided
THERMOSTAT	can be associated with ACTHERMOST : operating range 0°C to +60°C
MATERIAL	Steel sheet epoxy grey RAL7016

Ordering information

ITEMS	DESCRIPTION	PACKAGING
ACB2V	Block 2 fans units for 19" cabinet range	Unit
ACB4V	Block 4 fans units for 19" cabinet range	Unit
ACTHERMOST	Thermostat for ventilators	Unit

CASTOR AND LEVELLING FEET



ACCASTOR



ACLEVFEET10

Benefits

- Set of castors to allow displacement of the cabinet : 2 castors are equipped with brakes to ensure security
- Set of levelling feet to enhance the height of the cabinet and offer a perfect stability in case of irregular floor

Characteristics

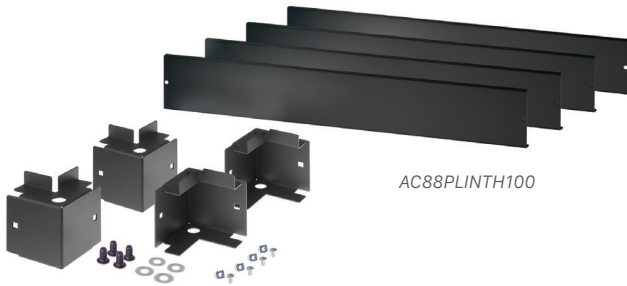
CASTOR	4 castors including 2 castors with brake
HEIGHT OF FEET	Adjustable feet : height 110 mm
LOAD CAPACITY	300 Kg per feet / 50 Kg per castor
COMPATIBILITY	Essential/Technic and Server line

Ordering information

ITEMS	DESCRIPTION	PACKAGING
ACCASTOR	Castor set for 19" cabinet	4
ACLEVFEET	Set of leveling feet for 19" cabinet	4



PLINTH AND JUNCTION KIT



Benefits

- Plinth for 19" cabinet to allow an 100 mm elevation of the cabinet.
- Available in 600 and 800 width and 600 / 800 and 1000 depth
- Junction kit to allow the junction of two cabinet in case of corridor

Characteristics

PACKAGING	Delivered disassembled : 4 angles + 4 panels
DIMENSIONS	600 x 600 / 600 x 800 800 x 600 / 800 x 800 / 800 x 1000
COATING	RAL7016
MATERIAL	Sheet steel 2 mm

Ordering information

ITEMS	DESCRIPTION	PACKAGING
AC66PLINTH100	Plinth height 100 mm for 600 x 600 cabinet	Unit
AC68PLINTH100	Plinth height 100 mm for 600 x 800 cabinet	Unit
AC86PLINTH100	Plinth height 100 mm for 800 x 600 cabinet	Unit
AC88PLINTH100	Plinth height 100 mm for 800 x 800 cabinet	Unit
AC810PLINTH100	Plinth height 100 mm for 800 x 1000 cabinet	Unit
ACJUNCTION	Baying kit	Unit

SPARE PART



Benefits

- Large panel of door and side panel are available to replace damaged element during transport or manutention :
front glass door, perforated front/rear door, full door and side panel.

Characteristics

DOOR	Front or rear : glassed or full or perforated
SIDE PANEL	Locking system : Classic = 1/4 turn Technic / Server = key

Spare part number

DOOR	TYPE	CABINET LINE	HEIGHT	WIDTH
X	XY	X	XX	X
F (Front)	G (Glass)	ES (ESSENTIAL)	27 (27U)	6 (600)
R (Back)	P (Perforated)	T (TECHNIC)	33 (33U)	8 (800)
	F (Full)	S (SERVER)	42 (42U)	
			47 (47U)	

SIDEPANEL	CABINET LINE	HEIGHT	DEPTH
XX	X	XX	XXX
SP (Side)	ES (ESSENTIAL)	27 (27U)	600
	T (TECHNIC)	33 (33U)	800
	S (SERVER)	42 (42U)	1000
		47 (47U)	1200





RACKS SYSTEM

WALL MOUNTED RACKS

WALL MOUNTED CABINET RANGE

19" wall mounted frames	179
400mm wall mounted cabinet	180
400mm wall unmounted cabinet	181
600mm wall mounted cabinet	182
600mm wall unmounted cabinet	183

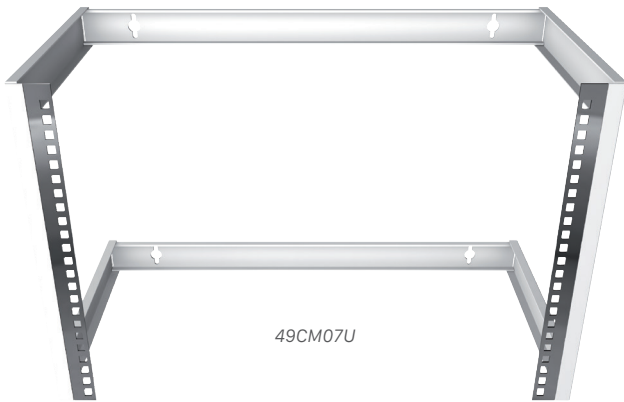
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Technic range cabinet	184
Technic range cabinet perforated doors	185

10" WALL MOUNTED CABINET RANGE

10" 6U wall mounted cabinet	185
10" panel : copper and fiber optic	186

19" WALL MOUNTED FRAMES



Benefits

- | Wall mounted rack to be fixed directly on the wall
- | Direct grounding of shielded panel
- | 350 mm depth

Characteristics

SKELETON	Reinforced 1.5 mm steel structure
MOUNTING	Front 19" mounting (frame)
COATING	Grey RAL 7035

Properties

MECHANICAL	Protection index (IP)	IP20
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
49CM07U	19" wall mounted frame depth 350 mm - 7U	Unit
49CM10U	19" wall mounted frame depth 350 mm - 10U	Unit
49CM16U	19" wall mounted frame depth 350 mm - 16U	Unit



RACKS

WALL MOUNTED CABINET RANGE

400 MM WALL MOUNTED CABINET



WMC10P400



Benefits

- 19" wall mounted cabinet depth 400 mm
- Loading capacity 60 kg
- Rear and front 19" mounting
- Reversible and securit front door
- Wheels are available to install the cabinet under a desk



Characteristics

SKELETON	Reinforced 2 mm steel structure
MOUNTING	Front & rear 19" mounting
FRONT DOOR	Security glass door
ROOF	Openwork roof
COATING	Epoxy black RAL 9005

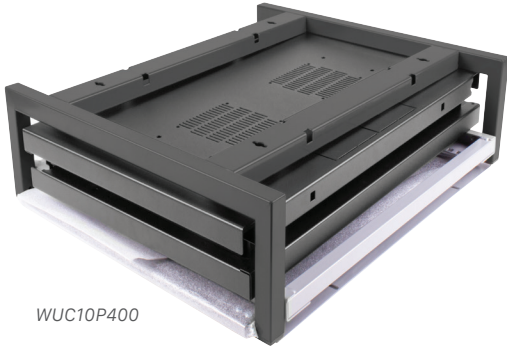
Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
WMC07P400	19" Wall mounted cabinet depth 400 mm - 07U	Unit
WMC10P400	19" Wall mounted cabinet depth 400 mm - 10U	Unit
WMC13P400	19" Wall mounted cabinet depth 400 mm - 13U	Unit
WMC16P400	19" Wall mounted cabinet depth 400 mm - 16U	Unit

400 MM WALL UNMOUNTED CABINET



WUC10P400

Benefits

- 19" wall unmounted cabinet depth 400 mm
- Loading capacity 60 kg
- Innovative Flatpack: cabinet assembly less than 10 minutes by 1 person
- Easy wall fixation
- Wheels are available to install the cabinet under a desk

Characteristics

SKELETON	Reinforced 2 mm steel structure
MOUNTING	Front & rear 19" mounting
FRONT DOOR	Security glass door
ROOF	Open work roof
ASSEMBLY	Inovative flat pack : 1 personne and less than 10minutes
COATING	Epoxy black RAL 9005

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
WUC07P400	19" Wall unmounted cabinet depth 400 mm - 07U	Flat pack
WUC10P400	19" Wall unmounted cabinet depth 400 mm - 10U	Flat pack
WUC13P400	19" Wall unmounted cabinet depth 400 mm - 13U	Flat pack
WUC16P400	19" Wall unmounted cabinet depth 400 mm - 16U	Flat pack



RACKS

WALL MOUNTED CABINET RANGE

600 MM WALL MOUNTED CABINET



WMC10P600

Benefits

- 19" wall mounted cabinet depth 600 mm
- Loading capacity 60 kg
- Rear and front 19" mounting
- Reversible and securit front door
- Wheels are available to install the cabinet under a desk



Characteristics

SKELETON	Reinforced 2 mm steel structure
MOUNTING	Front & rear 19" mounting
FRONT DOOR	Security glass door
ROOF	Openwork roof
COATING	Epoxy black RAL 9005

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

Ordering information

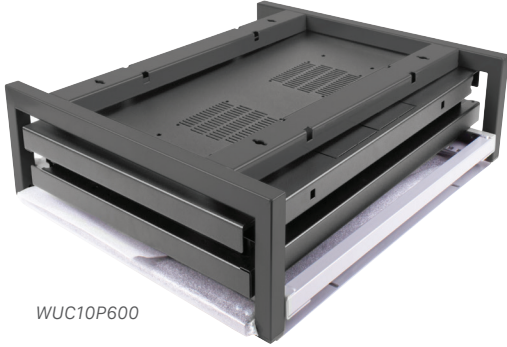
ITEMS	DESCRIPTION	PACKAGING
WMC10P600	19" Wall mounted cabinet depth 600 mm - 10U	Unit
WMC16P600	19" Wall mounted cabinet depth 600 mm - 16U	Unit
WMC22P600	19" Wall mounted cabinet depth 600 mm - 22U	Unit



RACKS

WALL MOUNTED CABINET RANGE

600 MM WALL UNMOUNTED CABINET



WUC10P600

Benefits



- 19" wall unmounted cabinet depth 600 mm
- Loading capacity 60 kg
- Innovative Flatpack: cabinet assembly less than 10 minutes by 1 person
- Easy wall fixation
- Wheels are available to install the cabinet under a desk

Characteristics

SKELETON	Reinforced 2 mm steel structure
MOUNTING	Front & rear 19" mounting
FRONT DOOR	Security glass door
ROOF	Open work roof
ASSEMBLY	Inovative flat pack : 1 personne and less than 10minutes
COATING	Epoxy black RAL 9005

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
WUC10P600	19" Wall unmounted cabinet depth 600 mm - 10U	Flat pack
WUC16P600	19" Wall unmounted cabinet depth 600 mm - 16U	Flat pack
WUC22P600	19" Wall unmounted cabinet depth 600 mm - 22U	Flat pack



RACKS

WALL MOUNTED CABINET RANGE

WALL MOUNTED ACCESSORIES



Benefits

- 19" wall mounted ventilators : 1 fan or 2 fans to allow ventilation of the wall cabinet
- 19" wall mounted wheels : to allow installation of the wall cabinet under a desk



Fan Characteristics

CAPACITY OF VENTILATION	150m ³ /h per ventilator
NOISE LEVEL	ACB2V : 42 dB
POWER SUPPLY	230V : power cable provided

Wheels Characteristics

KIT COMPOSITION	4 wheels : 2 wheels with brake
LOADING CAPACITY	250Kg
HEIGHT	110mm add to the cabinet on wheels

Ordering information

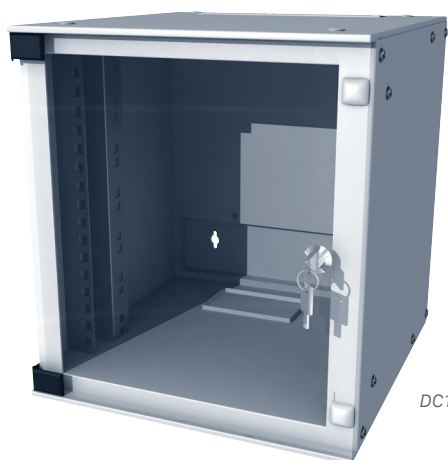
ITEMS	DESCRIPTION	PACKAGING
WMC1V	Bloc 1 ventilator for MMC wall cabinet	Unit
WMC2V	Bloc 2 ventilators for MMC wall cabinet	Unit
WMCWHEEL	4 wheels for MMC wall cabinet	Unit



RACKS

WALL MOUNTED EQUIPEMENT

10" 6U WALL MOUNTED CABINET



DC10COF6U

Benefits

- Wall mounted cabinet 10"
- Available in 6U for office or residential application
- Reversible front door with 180° opening for a better access to the panel
- Large range of 10" accessories are available

Characteristics

SKELETON	Reinforced 1.5 mm steel structure
MOUNTING	Front 10" mounting
FRONT DOOR	Securit glass door
BACK DOOR	Full panel
ROOF	Aperture for cooling
CABLE MANAGEMENT	Aperture for entry from the top
COATING	Epoxy grey RAL 7035

Properties

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

Ordering information

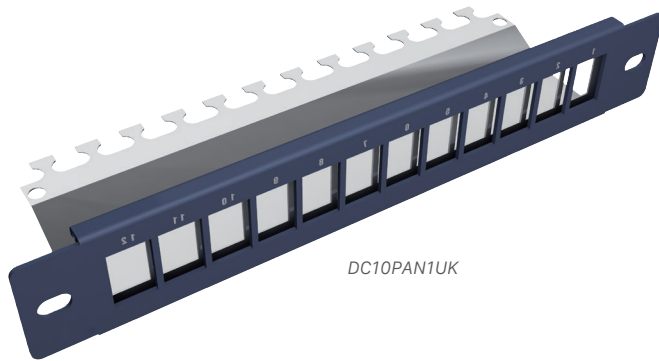
ITEMS	DESCRIPTION	PACKAGING
DC10COF6U	Wall mounting cabinet 10" depth 300 mm - 6U	Unit
DC10GC1U	10" cable management panel 3 rings	Unit
DC100BXU	10" blank panel 1U	Unit
DC10PAN1UK	10" unloaded patch panel for 12 RJ45 jacks 1U	Unit
DC10PM1U	10" modem plate 1U	Unit
DC10T1U	10" unloaded drawer to be equipped with 10" modules (fiber optic or telephone)	Unit
DC10T1U12LC	10" module loaded with 12 LC duplex fiber optic adapters	Unit
DC10T1U8SC	10" module loaded with 8 SC duplex fiber optic adapters	Unit
DC104PC	10" power distribution unit U sockets	Unit



RACKS

10" WALL MOUNTED CABINET RANGE

10" PANEL : COPPER AND FIBER OPTIC



Benefits

- 10" panel : copper or fiber to equipped a wall mounted cabinet
- 10" copper patch panel : allow the connection of 12 RJ45 modular jack (1U) or 24 RJ45 modular jack (2U)
- 10" fiber optic drawer : drawer unloaded to be equipped with module of 12 LC duplex fiber optic adapters or 8 SC duplex fiber optic adapter
- 10" telephone module



Characteristics

DIMENSION	Copper panel : 254 x 44 x 97.5 mm Fiber optic drawer : 254 x 43 x 134 mm
FIXING	One screw on each side
IDENTIFICATION	Port number print on the panel
MATERIAL	steel sheet 15/10 RAL 7016

Properties

ELECTRICAL	Grounding	Copper : direct grounding
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

Ordering information

ITEMS	DESCRIPTION	PACKAGING
DC10PAN1UK	10" patch panel for 12 RJ45 modular jacks (BC or MK series) 1U	Unit
DC10PAN2UK	10" patch panel for 24 RJ45 modular jacks (BC or MK series) 2U	Unit
DC10T1U	10" unloaded drawer to be equipped with fiber optic or telephone module - 1U	Unit
DC10T1U12LC	10" module loaded with 12 LC duplex fiber optic adapters - 1U	Unit
DC10T1U8SC	10" module loaded with 8 SC duplex fiber optic adapters - 1U	Unit
DC10T1UTELE	10" module loaded with two telephone distribution units (MULTIMODPABXG)	Unit



RACKS

10" WALL MOUNTED CABINET RANGE



RACKS SYSTEM

19" PANELS

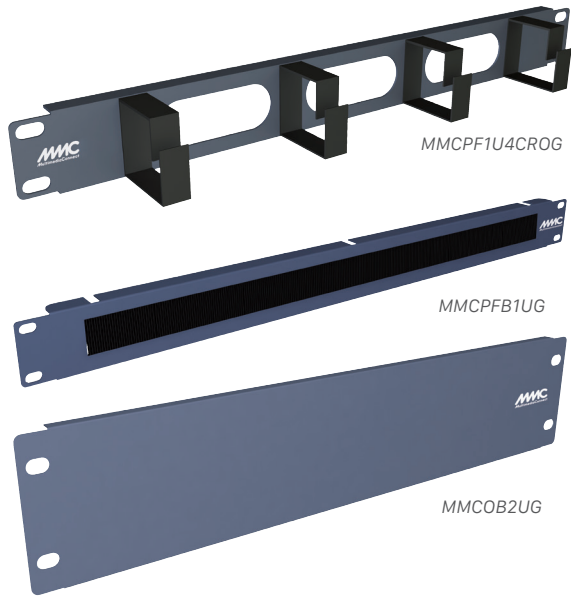
19" PANELS SHELVES AND DRAWERS

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19" shelves and drawers	189
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19" POWER DISTRIBUTION UNITS

French style PDU	191
Schuko style PDU	192

CABLE MANAGEMENT PANEL



Benefits

- Panel to ensure a good management of the cabling and an excellent aesthetic appearance
- These accessories allow the respect of the bending radius of the patch cord and ensure a good performance
- Blank panel to hide a unused unit on the cabinet and ensure an excellent aesthetic appearance



Characteristics

DIMENSION	482 x 44 mm
FIXING	Two screw on each side
MATERIAL	Steel sheet 15/10
COATING	Epoxy grey RAL7016

Cable management

CABLE MANAGEMENT	<p>MMCPF1U4CROG : equipped with 4 rings</p> <p>MMCPF1U4CROGHD : equipped with 4 high density rings</p> <p>MMCPFB1UG : equipped with brush</p>
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Ordering information

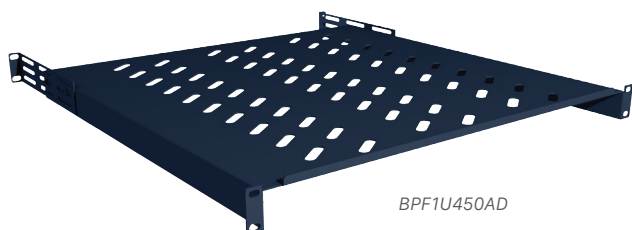
ITEMS	DESCRIPTION	PACKAGING
MMCPF1U4CROG	19" cable management panel equipped with 4 rings - 1U	Unit
MMCPF1U4CROGHD	19" cable management panel equipped with 4 high density rings - 1U	Unit
MMCPFB1UG	19" cable management panel equipped with brush - 1U	Unit
MMCOB1UG	19" blank panel - 1U	Unit
MMCOB2UG	19" blank panel - 2U	Unit
MMCOB3UG	19" blank panel - 3U	Unit
MMCOB5UG	19" blank panel - 5U	Unit



RACKS

19" PANELS, SHELVES AND DRAWERS

19" SHELVES AND DRAWERS



BPF1U450AD

Benefits

- 19" accessories to support active equipment, server, laptop...
- Different depth are available to allow a compatibility with all our cabinet range (depth from 600 to 1000 mm)
- Fixed or adjustable shelves are available

Characteristics

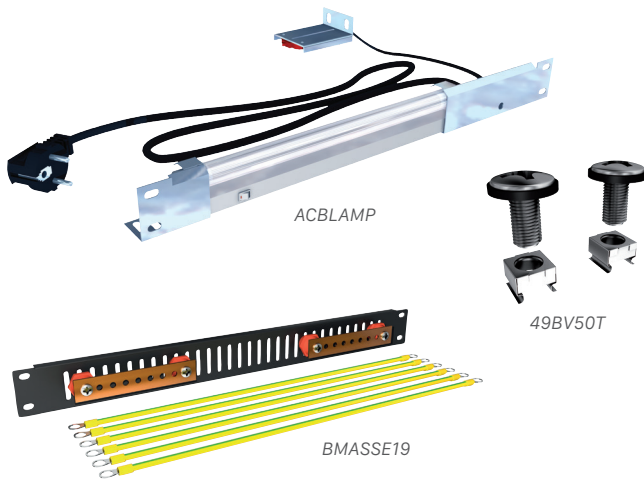
DIMENSION	Fixed shelves : 19" x 1U x 250/450/550 or 720 mm Adjustable shelves : 19" x 1U x 350 or 550 mm
FIXING	250mm depth : fixing on front mounting Other depth : fixing on the front and rear mounting Adjustable drawer depth 400 mm
DRAWER	Adjustable drawer depth 400 mm
LOAD CAPACITY SHELVES	49PM1U250G : 25 Kg BPG1UXXX : 35 Kg BPF1UXXX : 25 Kg BSERVPF720G : 100 Kg BT2U400AD : 30 Kg
COATING	Epoxy grey RAL7016

Ordering information

ITEMS	DESCRIPTION	PACKAGING
49PM1U250G	19" fixed plate depth 250 mm - 1U	Unit
BPG1U350	19" sliding plate depth 350 mm - 1U	Unit
BPG1U550	19" sliding plate depth 550 mm - 1U	Unit
BPF1U450AD	19" fixed adjustable plate depth 450 mm - 1U	Unit
BPF2U550AD	19" fixed adjustable plate depth 550 mm - 2U	Unit
BSERVPF720G	19" fixed plate for server cabinet depth 720 mm - 1U	Unit
BSERVPG720G	19" sliding plate for server cabinet depth 720 mm - 1U	Unit



LIGHTING UNITS - EARTHING KIT CAGE NUTS



Benefits

- Lighting unit for 19" cabinet
- Automatic illumination of the cabinet for better visibility
- Switch is included
- 19" earthing kit
- Allow the grounding of all patch panel and elements in accordance with EN50174
- Equipped with 6 green/yellow wires 6 mm²
- Cage nuts and screw to fix all 19" or 10" element on rack
- Screw type M6
- Equipped with black washers



Characteristics

MATERIAL	Steel sheet 15/10
COATING	Epoxy grey RAL7016

Properties

ELECTRICAL	Voltage Lamp	230V AC
	Grounding system	6 wires 400 mm length section 6 mm ²

Ordering information

ITEM	DESCRIPTION	PACKAGING
ACBLAMP	19" automatic lighting unit	Unit
BMASSE19	19" grounding kit	Unit
49BV10T	Cage nuts and screws	10
49BV50T	Cage nuts and screws	50



RACKS

19" PANELS, SHELVES AND DRAWERS

FRENCH STYLE PDU



49BM8IPM

Benefits

- Socket power unit for rack 19"
- French style socket in accordance with NF-C 61-314 and CE standard
- Available with switch or differential switch
- Equipped with power cable 2m length section 1.5 mm²

Characteristics

DIMENSION	483 x 44 mm x 45 mm
FIXING	Two screw on each side
MATERIAL	Anodic aluminium case or plastic case
COATING	natural color for aluminium case black color for plastic case

Properties

ELECTRICAL	Power supply	250V - 16A
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Ordering information

ITEMS	Description	Packaging
49BM8PM	19" power distribution unit 8 sockets aluminium case - french standard	Unit
49BM8IPPM	19" power distribution unit 8 sockets aluminium case with protected swithch - french standard	Unit
49BP6I	19" power distribution unit 6 sockets plastic case with switch- french standard	Unit
49BP7	19" power distribution unit 7 sockets plastic case - french standard	Unit
49BM6DDP	19" power distribution unit 6 sockets aluminium case with protected differential switch- french standard	Unit



RACKS

19" POWER DISTRIBUTION UNITS

SCHUKO STYLE PDU



49BM8PSH

Benefits

- Socket power unit for rack 19"
- Schuko style socket in accordance with 2006/95/EC and CE standard
- Available with switch or differential switch
- Equipped with power cable 2m length section 1.5 mm²



Characteristics

DIMENSION	483x44 mm
FIXING	Two screw on each side
MATERIAL	Anodic aluminium case
COATING	Epoxy grey RAL7016

Properties

ELECTRICAL	Voltage	220V AC
	Grounding system	6 wires 440 mm length section 6 mm ²

Ordering information

ITEM	DESCRIPTION	PACKAGING
49BM8PSH	19" power distribution unit aluminum case - schuko style	Unit
49BM8IPSH	19" power distribution unit aluminum case with switch - schuko style	Unit



RACKS

19" POWER DISTRIBUTION UNITS

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 OUT	Outdoor application		Locking system		100% component compliant
 IN/OUT	Indoor / outdoor application		Low depth		Plug and Play system
 IN	Indoor application		Electro Magnetic Compatibility		LSZH
 SMART	Intelligent building solutions		IP index		Third laboratory certified
 DATA CENTER	Data center solutions		Loading capacity		Link compliant
 HARSH	Harsh environment solutions		IK index		Component compliant
 BURIED	Buried application		Crush resistant		
 RESIST	Water resistance		Low bending resistant		
 RESIST	Rodent resistance		Twist resistant		
 RESIST	Fire resistant		Tensile resistant		
 RETARD	Fire retardant		10 gigabit ethernet solutions		
 RESIST	Cold resistant		Coupling attenuation		
 RESIST	Hot resistant		Loose tube		
 RESIST	Toolless		Tight buffered		



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