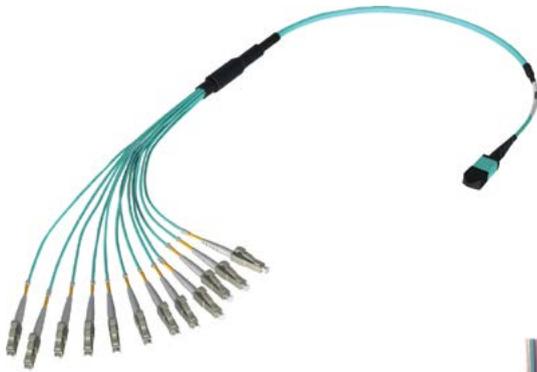




MTP FAN aa xxx zz yy b

MTP/12 or 24 x SC and MTP/12 or 24 x LC Optical fan-out cable



MTPFAN12LC2OM3

1 x MTP / 12 x LC OM3 fan-out cable, 2m

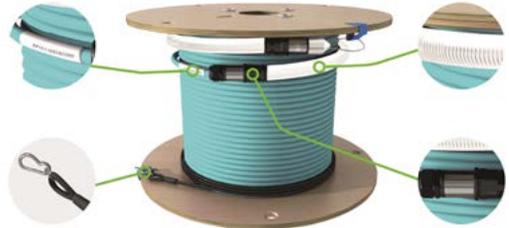


Ruggedized micro core structure 12 cores
With an inner and an outer LSZH sheath Ø 4.5mm



ID label on cable

PA6 Tubing



Meshwork

Fanout is protected
inside an aluminum ring

Preterms beyond 30m are delivered on a drum



Low loss SM MTP patchcords with yellow MTP APC-Elite



>30m, MTP preterms have a pulling protection:
A. near end: PA braided meshwork with carabiner
B. far end: corrugated PA6 rigid tube

APPLICATIONS

The MMC optical pre-terminated MTP fan-out cables are part of the complete optical link and suits all indoor singlemode or multimode networks, like Data Centers, LAN, SAN and MAN. It is completely connected, protected and tested, save of time for technicians and users witch secures the links.

The fan-out concept authorizes direct links between active equipment & MTP panels with no need of cassettes. It is a real cost effective solution with fewer connections for power budget purposes and less space used in cabinet.

GENERAL CHARACTERISTICS

Optically and mechanically compatible with all the equivalent connectors

100% tested (a hard copy of the tests is supplied)

Available in different length from 2 to the limit of the related norm, according to the type of fiber.

Packaging : unit



MTP FAN aa xxx zz yy b

MTP/12 or 24 x SC and MTP/12 or 24 x LC Optical fan-out cable

STANDARDS COMPLIANCE

Conformity to:

IEC 60793-2-50 cat B 1.3, IEC 60332-1, IEC 60332-2, IEC 60332-3-24, IEC 332-3C, IEC 61034-2, IEC 24702

IEC 60794-1-2, IEC 60754-2, IEC 61754-7, IEC 61754-1, IEC 61754-2

TU-T G.651, ITU-T G.652D

UL 1666/901 (when UL cable is used and TIA/EIA 455), ANSI /EIA-455-171 D3 method

ISO/IEC 11801 2nd Ed. Amd 1.0, Amd 2.0

Bellcore/Telcordia GR-326, GR-409-CORE

TIA/EIA 604-3, TIA/EIA 604-5, TIA/EIA 568 C.3, TIA/EIA 568 B.1-7, EN 50173, EN 502290-2-27

ROHS compliance on all components and final product, NFPA 262 (OFNP)

OFNR-UL/CSA FT-4

TRUNK CABLE GENERAL CHARACTERISTICS

Range température	- 20°C to +60°C,
Colour of sheath	OM1 OM2 Orange, OM3 Aqua, OM4 Aqua or Erica violet, OM5 lime green, OS2 Yellow
Fiber structures	Ruggedized micro core with an inner and outer LSZH jacket

CONNECTORS TECHNICAL CHARACTERISTICS

Types	Female or male MTP, SC, LC SC-APC, LC-APC
Material of ferrule	ZrO2 (Zirconia / Ceramic)
Connector surface	Convex
Connection of fiber	Epoxy
Material of body	Plastic
Ferrule drilling	126 µm / 127 µm / 128 µm
Typical insertion loss dB	Singlemode : 0.25 to 0.35, Multimode 0.15 to 0.60
Typical return loss dB	Singlemode >55/65



MTP FAN aa xxx zz yy b

MTP/12 or 24 x SC and MTP/12 or 24 x LC Optical fan-out cable

OPTICAL CABLE MECHANICAL PROPERTIES

Weight	22 kg/km
Outer diameter	4.5mm
Temperature range (Storage/installation/operational)	-20°C to +60°C / -5°C to +60°C / -20°C to +60°C
Bending radius	45 mm (Installed) / 90 mm (loaded)
Tensile strength (short term / long term)	400N / 150N
Crush resistance	1000N/dm

OPTICAL CABLE PERFORMANCES

Parameters		OM1	OM2	OM3	OM4	OS2
Core diameter	µm	62.5	50	50	50	9
Cladding diameter	µm	125	125	125	125	125
Typ. Attenuation @ 850nm	dB/km	≤ 3.2	≤ 2.7	≤ 2.7	≤ 2.7	≤ 0.35
Typ. Attenuation @ 1300nm	dB/km	≤ 0.9	≤ 0.7	≤ 0.8	≤ 0.8	≤ 0.22
Bandwidth @ 850nm	MHz * km	> 200	> 500	> 1500	> 3500	
Bandwidth @ 1300nm	MHz * km	> 500	> 500	> 500	> 500	
EMB* @ 850nm	MHz * km			> 2000	> 4700	
Chromatic dispersion @1285-1330nm	Ps/(nm*km)					≤ 0.35
Chromatic dispersion @ 1550nm	Ps/(nm*km)					≤ 0.22

ORDERING INFORMATION

Part Numbers structure	MTP FAN aa xxx zz yy b
Replace aa by the number of fibers	8 or 12 or 24
Replace xxx by the connectors fan-out side	UPC connectors are : SC, LC - APC connectors are SC & LC
Replace zz by the length	From 2 to 99 meters
Replace yy by the type of fiber	M1(OM1), M2(OM2), M3 (OM3), M4(OM4), M5(OM5), S2(OS2)
Replace b by the number of MTP connectors	1 or 2 (for 2 connectors, only for 24 fibers)