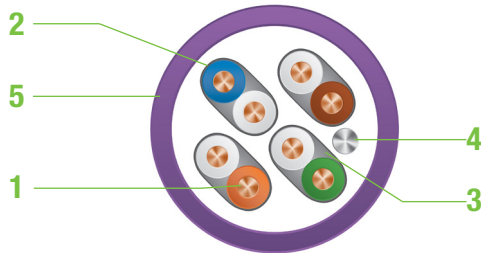




525xSHCy

CAT6A U/FTP 4 or 2x4 pairs cable 525MHz LSZH sheath Cca



- 1. **Conductor** : solid bare copper AWG23
- 2. **Insulation** : PE Skin Foam Skin
- 3. **Individual shield** : Aluminum/Polyester foil - coverage 110%
- 4. **Drain wire** : Solid tinned copper
- 5. **Outer sheath** : LSZH - RAL 4001

DESCRIPTIONS

PIMF (Pair In Metallic foil) data cable used in full shielded structured cabling system, for horizontal or vertical (Backbone) configuration. Its performances exceed the limits required by current standards thanks to its excellent high-speed and error free transmission up to 525 Mhz. It constitutes an investment for the future network applications.

High electromagnetic immunity thanks to his individual shield (coupling attenuation > 75 dB).

APPLICATIONS

| | |
|----------------------------------|--------------------------------|
| Ethernet Base T up to 10Gbits/s | TOKEN RING 4/16 MBITS |
| ISDN | ATM 155, 622Mbits/s & 1.2Gbits |
| IEEE 802.3 af /at : PoE and PoE+ | |

STANDARDS

| | |
|---------------|--------------------------------|
| CABLE | IEC 61156-5 CAT6a |
| SYSTEM | ISO / IEC 11801 Ed2.2 Class Ea |

ELECTRICAL PROPERTIES

| | |
|---|-------------|
| Max linear electrical resistance | 95 Ω/Km |
| Mutual capacity (nom) | 45 pF/m |
| Characteristic impedance | 100 +/- 15Ω |
| Nominal Velocity Propagation | 78% |





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ENVIRONMENTAL PROPERTIES

| | |
|--------------------------|--------------------|
| CPR Level | Cca - s1,d1,a1 |
| Fire behaviour | IEC 60332-1 |
| Operating Temperature | -20°C / +70°C |
| Minimum bending radius | 8 x cable diameter |
| Compliant to RoHS | |

TRANSMISSION PERFORMANCES @20°C

(*) standard : values from IEC 61156-5

| Freq (Mhz) | Attenuation | | NEXT (dB) | | PS NEXT (dB) | | ACR-F (dB) | | PS ACR-F | | RL (dB) | |
|------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
| | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value |
| 4 | 3.8 | 3.7 | 66.3 | 67 | 63.3 | 64 | 55.9 | 66 | 52.9 | 63 | 23.0 | 25 |
| 10 | 5.9 | 5.8 | 60.3 | 62 | 57.3 | 59 | 48 | 63 | 45 | 60 | 25.0 | 27 |
| 16 | 7.5 | 7.3 | 57.2 | 59 | 54.2 | 56 | 43.9 | 62 | 40.9 | 59 | 25.0 | 27 |
| 25 | 9.4 | 9.2 | 54.3 | 56 | 51.3 | 53 | 40 | 57 | 37 | 54 | 24.3 | 27 |
| 31.25 | 10.5 | 10 | 52.9 | 55 | 49.9 | 52 | 37.9 | 52 | 35.1 | 49 | 23.6 | 25 |
| 100 | 19.1 | 18.8 | 45.3 | 47 | 42.3 | 44 | 28 | 44 | 25 | 41 | 20.1 | 22 |
| 200 | 27.6 | 27 | 40.8 | 43 | 37.8 | 40 | 22 | 35 | 19 | 32 | 18.0 | 20 |
| 250 | 31.1 | 30 | 39.3 | 42 | 36.3 | 39 | 20 | 29 | 17 | 26 | 17.3 | 19 |
| 300 | 34.3 | 34 | 38.1 | 40 | 35.1 | 37 | 18.4 | 27 | 15.4 | 24 | 17.3 | 19 |
| 400 | 40.0 | 39 | 36.3 | 38 | 33.3 | 35 | 16 | 26 | 13 | 23 | 17.3 | 18 |
| 500 | 45.3 | 44.8 | 34.8 | 37 | 31.8 | 34 | 14 | 26 | 11 | 23 | 17.3 | 18 |
| 525 | NA | 45.0 | NA | 36 | NA | 33 | NA | 22 | NA | 19 | NA | 17 |

ORDERING INFORMATION

| CABLE 4 PAIRS | | | |
|---------------|------------------------------------|-------------------|------------|
| P/N | DESCRIPTION | EXTERNAL DIAMETER | PACKAGING |
| 5254SHC1 | CAT6A CABLE U/FTP 4 PAIRS LSZH Cca | 7.3 mm | COIL 100M |
| 5254SHC5 | CAT6A CABLE U/FTP 4 PAIRS LSZH Cca | | DRUM 500M |
| 5254SHC10 | CAT6A CABLE U/FTP 4 PAIRS LSZH Cca | | DRUM 1000M |
| 5254SHCB | CAT6A CABLE U/FTP 4 PAIRS LSZH Cca | | BOX 305M |

| CABLE 2x4 PAIRS | | | |
|-----------------|--------------------------------------|-------------------|------------|
| P/N | DESCRIPTION | EXTERNAL DIAMETER | PACKAGING |
| 5258SHC5 | CAT6A CABLE U/FTP 2x4 PAIRS LSZH Cca | 7.3 x 15.2 mm | DRUM 500M |
| 5258SHC10 | CAT6A CABLE U/FTP 2x4 PAIRS LSZH Cca | | DRUM 1000M |