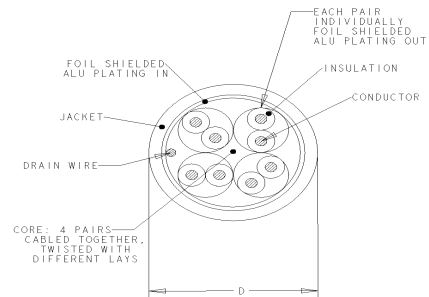


Category 7 F/FTP LSZH Horizontal Cable



General Info

TE Connectivity XG PiMF Compact 600 MHz Cable has been designed using a Patent pending process to provide the required ANEXT suppression required to achieve full 100 metre IEEE 802.3an channel support, as well as exceeding the Permanent link and channel requirements of the ISO 11801 CLASS Ea Amendment 2 Standard and TIA 568C Category 6A. The design of this cable maintains a round diameter to support standard installation requirements and has an outer diameter of 7.1mm.

- **Product Description:** Category 7 4PR F/FTP Cable
- **Product Number:** 1711163-3 WHITE SHEATH & 1711163-8 ORANGE SHEATH
- **Application:** Horizontal Cabling
- **Length:** 500m
- **Colour:** Available in White or Orange

Features

- Specified up to 600 MHz
- Outstanding electrical characteristics
- Wire colours: white/blue, white/orange, white/green, white/brown
- LSZH (Low Smoke Zero Halogen)

ADC KRONE products:
www.te.com/adckrone

AMP NETCONNECT products:
www.ampnetconnect.eu

TE Connectivity website:
www.te.com



- Flame retardant to IEC 60332-1 and EN 50266-2-1
- Non corrosive to IEC 60754-2 and EN 50267
- Low smoke to IEC 61034 and EN 50268
- Each pair is wrapped with a metal foil (PimF) and all of the pairs are screened with an overall foil; this level of protection assures error free data transmission even in harsh environments
- The shielding eliminates alien crosstalk allowing more cables to be bundled close together
- Smaller nominal diameter than unshielded Category 6 A cable allows for a higher number of cables in a run

Mechanical Features

- Wire insulation Foam/skin PE insulation
- Sheath material Zero halogen, flame-retardant
- Max. temperature range during installation 0°C up to +50°C
- Max. operating temperature -20°C up to +60°C
- Min. bend radius during operation 28 mm
- Min. bend radius during installation 46 mm

Electrical/Optical Performance

- Max. loop resistance 135 Ω /km
- Max. resistance difference 2%
- Insulation resistance > 5000 M Ω x km
- Impedance Z_0 at 0.064 MHz 125 Ω \pm 20%
- Impedance Z_0 at 1 up to 100 MHz 100 Ω \pm 15%
- Impedance Z_0 at 101 up to 250 MHz 100 Ω \pm 18%
- Impedance Z_0 at 251 up to 600 MHz 100 Ω \pm 25%
- Transfer impedance < 10 m Ω per metre at 10 MHz
- Longitudinal conversion loss dB/ref. Length = 1000m > 46 dB at 64 kHz
- Longitudinal conversion loss dB/ref. Length = 100m > 40 dB at 1 MHz
- Longitudinal conversion loss dB/ref. Length = 100m > 20 dB at 100 MHz
- Mutual capacity 43 pF/m
- Max. capacitance at 0.001 MHz 1000 pF/km
- Propagation velocity > 10 MHz (NVP*c) 0.79 c
- Propagation delay > 10 MHz: 4.2 ns/m; Skew 10 ns/100m

Compliance/Testing

- Complies with ISO/IEC11801, BS EN 50173-1, IEEE 802.3an, BS EN 55022 Class B and EN55024 for Immunity