

Cat6a Cabling

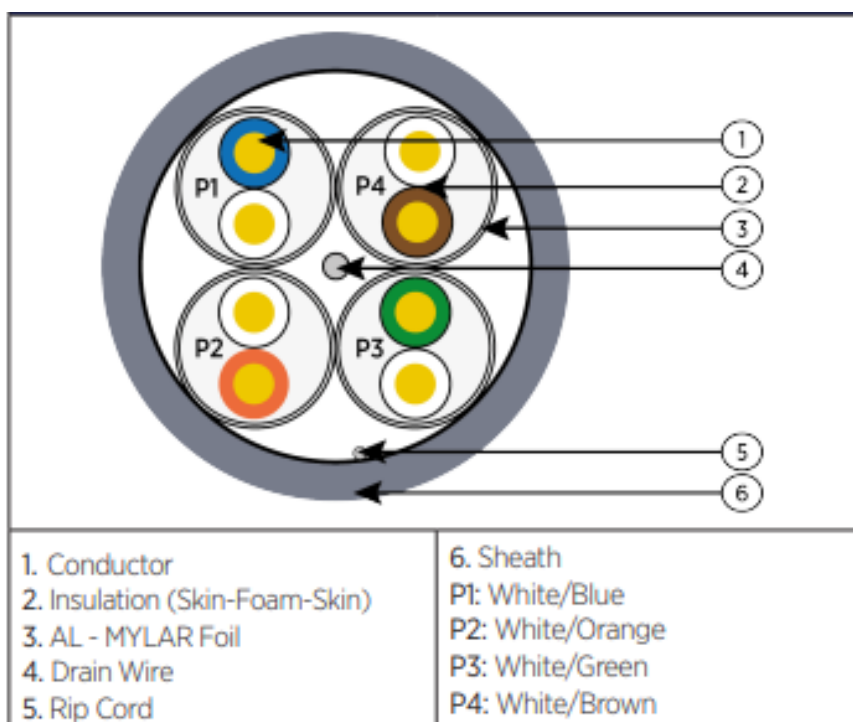
Category 6A U/FTP Cable has been designed to provide the exceptional performance required to support extremely high-speed applications, including 10-Gigabit Ethernet.

Features and Benefits

- The individually shielded pairs ensure maximum transmission.
- Free from the problems of NEXT and alien crosstalk.
- The sheath is a Low Smoke Zero Halogen (LSZH) material, as specified in many public buildings.
- Delivered in 500m reels.

Electrical Specifications

DC Resistance	< 9 Ω /100 m
DC Resistance Unbalance	\leq 2%
Insulation Resistance	(500V) \geq 5000 M Ω km
Capacitance Unbalance (pair to ground)	< 300 pF/100 m
Nominal Velocity of propagation	Approx. 74%
Characteristic Impedance	100 \pm 5 Ω
Transfer Impedance (m Ω /m)	1MHz 10MHz 30 MHz 100MHz \leq 50 \leq 50 \leq 70 \leq 100



Product Specifications

Conforms to	IEEE 802.3: 10Base-T; 100Base-T: 1000Base-T 10GBase-T standards: ANSI/TIA 568C: ISO/IEC 11801 2nd ed. IEC 61156-5 2nd ed.; EN 50173-1; EN 50288- 10 RoHS2002/95/EC
Fire Rating	Eca
Conductor	Bare copper wire (AWG 23)
Insulation	Polyethylene, Ø 1.45 mm
Drain Wire	Tinned Copper
Shield around each pair	Alu/Polyester tape
Sheath	LSZH Ivory
Bending Radius	≥ 35 mm without load; ≥ 70 mm with load
Temperature Range	Operation -20°C up to +60 °C
Installation	0°C up to +50 °C
Outer Diameter	7.0 mm
Max Pulling Tension	78 N
Supplied in	500m Reel
Euroclass Rating	Eca