Connectix Cabling Systems™
Cat 6a U/FTP Eca Solid Cable

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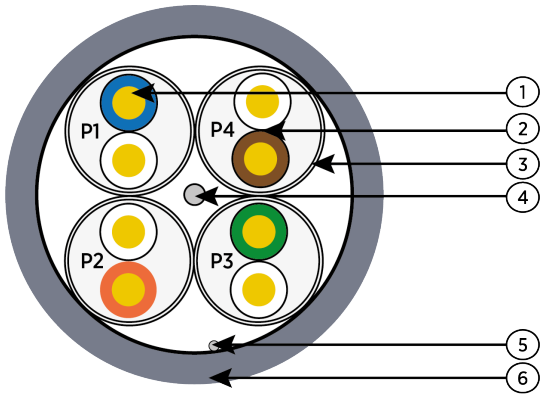
Connectix Category 6A U/FTP Cable has been designed to provide the exceptional performance required to support extremely high speed applications, including 10-Gigabit Ethernet.

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





Diagram



1. Conductor 2. Insulation (Skin-Foam-Skin) 3. AL - MYLAR Foil 4. Drain Wire 5. Rip Cord	6. Sheath P1: White/Blue P2: White/Orange P3: White/Green P4: White/Brown

Cable Specification

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	LSOH 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

Electrical Specifications

DC Resistance	< 9 Ω /100 m			
DC Resistance Unbalance	≤ 2%			
Insulation Resistance	(500V) ≥ 5000 MΩ km			
Capacitance Unbalance (pair to ground)	< 300 pF/100 m			
Characteristic Impedance @100 MHz	100 ± 5 Ω			
Nominal Velocity of Propagation	Approx. 74%			
Transfer Impedance (mΩ/m)	1 MHz	10 MHz	30 MHz	100 MHz
	≤ 50	≤ 50	≤ 70	≤ 100

Ordering Information

Product Description	Part Number
Cat 6A U/FTP LSOH Solid Cable	001-003-003-22