



Connectix Cat6a U/FTP External 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-density polyethylene (LDPE) material, suitable for use outside.

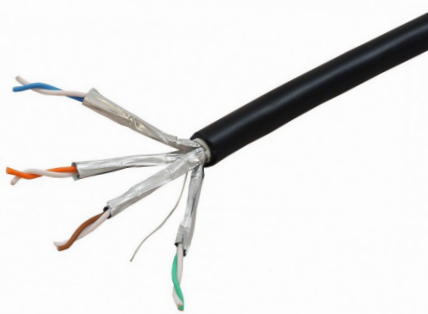
Ordering Information

Product Description

CAT6a Solid External F/FTP Cable 100mt
CAT6a Solid External F/FTP Cable 305mt

Part Number

001-003-003-34/100
001-003-003-34/305

Sheath Printing	VELOCITY PREMIUM CAT6A F/FTP 23AWG SOLID PE EXTERNAL 4PR ANSI/EIA-568-C.2 AND ISO/IEC 11801 ****M MM/DD/YYYY								
Customer Reference	39 3657								
Category	F/FTP CAT6A-4P-PE								
Test Standard	ISO/IEC11801, TIA/-568-C.2 , YD/T1019								
Conductor	Material	SOLID-Bare Copper							
	Nom. O.D (mm)	0.560	Up	+0.005					
			Down	-0.005					
Insulation	Material	Skin-foam-skin PE							
	Diameter	1.330±0.05 mm							
Screening Material	Aluminum Foil	Drain wire	Yes						
Sheath	Thickness	0.55±0.05 mm		Technical Performance (100m):					
	External O.D.	7.5±0.4 mm							
	Surface	Clean							
	Material	PE , ROHS							
	Colour	Black							
Surface Printing	Letter height	3.0±0.3mm		Frequency RL	ATT	NEXT	DELAY		
	Colour	White		(MHz)	≥dB	≤dB	≥dB	≤ns	
	Print error & Space	≤±0.5%, 1m		1	20.0	2.1	74.3	570.0	
				4.0	23.0	3.8	65.3	552.0	
Core Colour (With striped colour)	1 White/Blue	2 White/Orange		8.0	24.5	5.3	60.8	546.7	
	3 White/Green	4 White/Brown		10.0	25.0	5.9	59.3	545.4	
Packing					16.0	25.0	7.5	56.2	543.0
Wooden Tray Dimension					20.0	25.0	8.4	54.8	542.1
Packaging Length	305±1.0m				25.0	24.3	9.4	53.3	541.2
Rip-cord	Yes				31.25	23.6	10.5	51.9	540.4
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)		≥10.0	62.5	21.5	15.0	47.4	538.6
		Elongation (%)		≥350	100	20.1	19.1	44.3	537.6
	Aging Period (°C×hrs)		100°C×24h×10d		200	18.0	27.6	39.8	536.5
	After Aging	Elongation (%)		≥300	250	17.3	31.1	38.3	536.3
	Cold bend (-20±2°C×4h) 8×Cable O.D. No visible cracks				300	16.8	34.3	37.1	536.1
Electrical Characteristics (20°C)	Delay Shew (ns/100m)			≤45	500	15.2	45.3	33.8	535.6
	Velocity of Propagation (%)			74	Frequency RL	PSNEXT	ELFEXT	PSELFEXT	
	unbalanced-to-ground capacitance (pf/100m)max			330	(MHz)	≥dB	≥dB	≥dB	
	DC Resistance (Ω/100m) max			9.38	1	72.3	67.8	64.8	
	DC Conductor Resistance Unbalance (%) max			2.0	4	63.3	55.8	52.8	
					8	58.8	49.7	46.7	