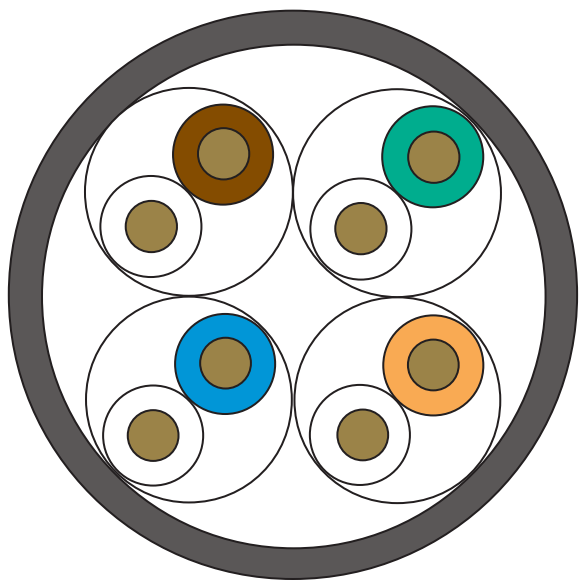


U-FTP cable 4x2xAWG23

Cat 6a PE black outdoor use

Item no.: LVN122445



PRODUCT OVERVIEW

Used in structured cabling systems outdoor. Typically used as intermediate cabling between buildings as well as outdoor surveillance. This type of cable has no overall shielding but the individual twisted pairs are wrapped in a foil screen, offering some protection from EMI and crosstalk from adjacent pairs and other cables.

SPECIFICATIONS

Category	6a U-FTP
Transmission speed	10Gbps
Frequency	500 Mhz
Impedance	100 +/- 15 Ohm
NVP value	74%
EMC Class:	D
Number of pairs	4
Conductor	AWG23 solid copper
Conductor insulation	PE
Jacket material	PE

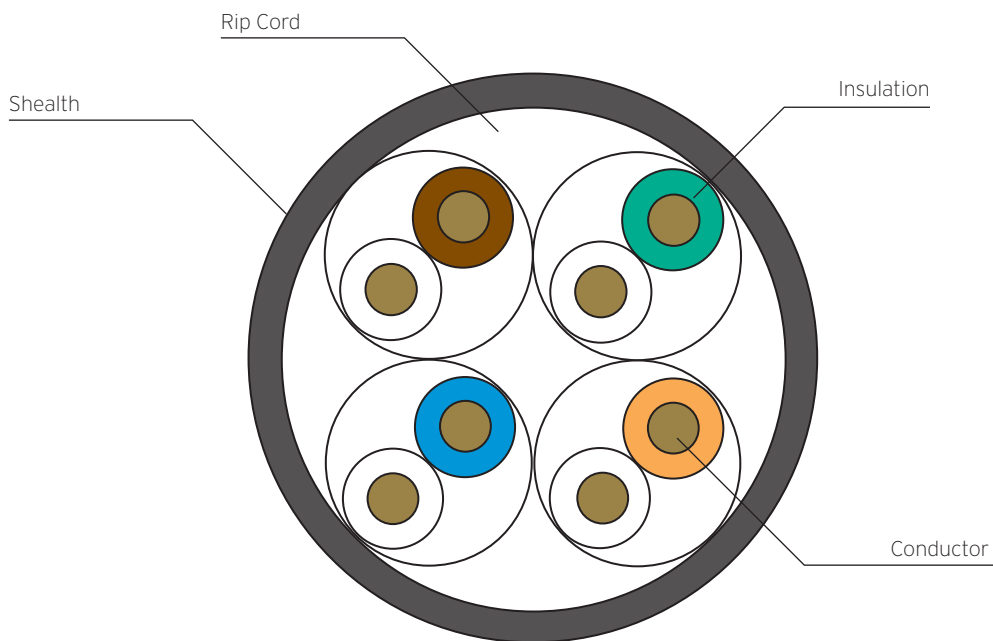
Cable color	Black
Shield	Individual Foil shield
Standards	EIA/TIA 568B, ISO/IEC11801, EN 50173-2
Meter marked	Yes
Packing	500 m reel



SPECIFICATIONS

Category	U/FTP- CAT6A-4P		
Test Standard	ISO/1 EC 11801, TIA-568-C.2, YD/T1019		
Reference Standard	ISO/IEC11801 TIA-568-C.2		
Conductor	Material	SOLID-BARE Copper	
	Nom. O.D. (mm)	0.56	Up +0.005
			Down -0.005
Insulation	Material	HDPE	
	Diameter	0.88±0.03mm	
Screening Material	Aluminum Foil	Drain wire	TC 0.45mm
Color	A. White/Blue	B. White/Orange	
	C. White/Green	D. White/Brown	
Rip-cord	Yes		
Sheath	Thickness	0.60±0.05 mm	
	External O.D	7.3±0.5mm	
	Surface	Clean	
	Material	LDPE(complies RoHS)	
	Color	Black	
Surface Printing	Letter height	3.0±0.3mm	
	Color	White	
	Print error & space	≤±0.5% 1m	
Packing	Drum		
Packaging length	500 m		
Rip cord	Yes		
Sheath Physical Properties	Before Aging	Tersile Strength (Mpa)	≥10
		Elongation(%)	≥350
	Aging Period (°C X hrs)	100°C X 24h X 10d	
	After Aging	Elongation(%)	≥300
Electrical Characteristics (20°C)	Impedance(Ω) 1.0-250.0MHz	100±15	
	Impedance(Ω) 250.0-500.0MHz	100±22	
	Delay Skew (ns/100m)	≤45	
	unbalanced-to-ground capacitance (pf/1 00m)	max 330	
	DC Resistance (Ω/100m)	max 9.38	
	DC Conductor Resistance Unbalance (%)	max 5.0	
	Cold Bend Cold bend (-20±2°C x4h) 8xCable O.D.	No visible cracks	

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TECHNICAL PERFORMANCE (100M) (20°C)

	RL	ATT	NEXT	DELAY	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB
1	20.0	-	74.3	570	72.3	67.8	64.8
4	23.0	3.8	65.3	552	63.3	55.8	52.8
8	24.5	5.3	60.8	547	58.8	49.7	46.7
10	25.0	5.9	59.3	545	57.3	47.8	44.8
16	25.0	7.5	56.2	543	54.2	43.7	40.7
20	25.0	8.4	54.8	542	52.8	41.8	38.8
25	24.3	9.4	53.3	541	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540	49.9	37.9	34.9
62.5	21.5	15.0	47.4	539	45.4	31.9	28.9
100	20.1	19.1	44.3	538	42.3	27.8	25.8
200	18.0	27.6	39.8	537	37.8	21.8	18.8
250	17.3	31.1	38.3	536	36.3	19.8	16.8
300	16.8	34.3	37.1	536	35.1	18.3	15.3
400	-	-	-	-	33.3	15.8	12.8
500	15.2	45.3	33.8	536	31.8	13.8	10.8

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