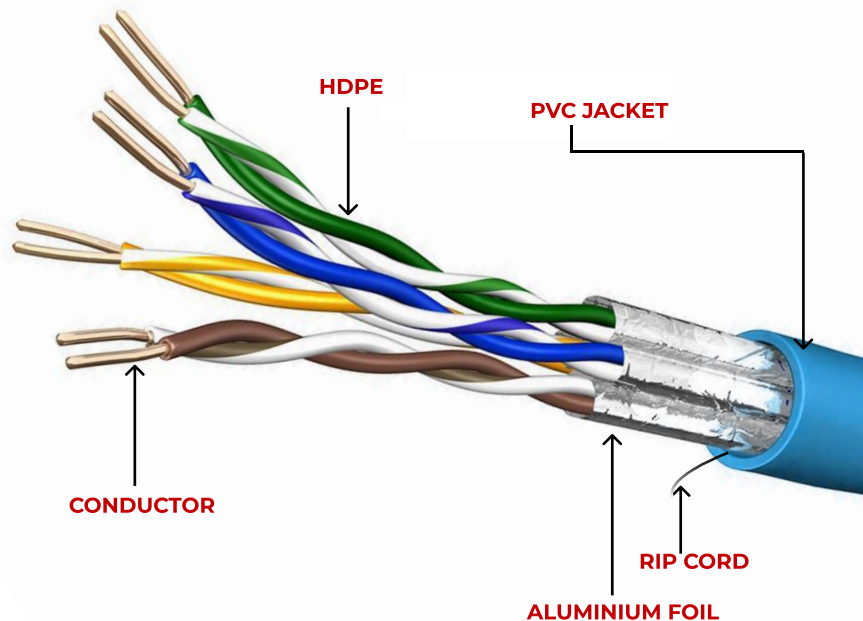
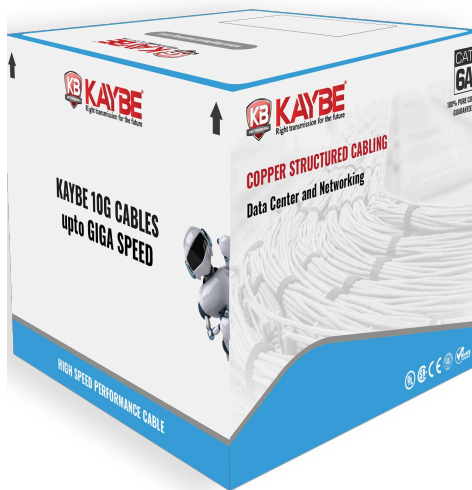


CAT6A 10G ULTRA SERIES - FTP CABLE

PART NO.: CAT6AFTP680LZ

DESCRIPTION: ULTRA 10G CAT6A, U/FTP (FTP) LSZH, 23AWG CABLE

KAYBE CAT6A 10G Ultra Series - FTP cable is designed for 10 Gigabit Ethernet, providing up to 650 MHz bandwidth with enhanced shielding to reduce interference. Its foil shielding ensures stable, high-speed connections even in high-demand environments. Perfect for data centers and enterprise networks, it guarantees reliable performance.



HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (MHz)	INS LOSS (dB/100m) Max.	NEXT Pair to Pair (dB/100m) Min.	NEXT Power Sum (dB/100m) Min.	ELFEXT Pair to Pair (dB/100m) Min.	ELFEXT Power Sum (dB/100m) Min.	Return Loss (dB/100m)
1	2.3	74.3	72.3	67.8	64.8	20.0
4	3.8	65.3	63.3	55.8	52.8	23.0
8	5.3	60.8	58.8	49.7	46.7	24.5
10	5.9	59.3	57.3	47.8	44.8	25.0
16	7.5	56.0	54.0	43.7	40.7	25.0
20	8.4	54.0	52.0	41.8	38.8	25.0
25	9.4	53.3	51.3	39.8	36.8	24.3
31.25	10.5	51.9	49.9	37.9	34.9	23.6
62.5	15.0	47.4	45.4	31.9	28.9	21.5
100	19.1	44.3	42.3	27.8	24.8	20.1
250	31.1	38.3	36.3	19.8	18.8	17.3
300	34.3	37.1	35.1	18.3	16.8	17.3
400	40.1	35.3	33.3	15.8	15.3	17.3
500	45.3	33.8	31.8	13.8	12.8	17.3

CONSTRUCTION DATA SHEET

Operating Temperature	—15°C TO 70°C
CONDUCTOR	
Description	CAT6A 23 AWG X 4 Pairs Solid Cond. FTP NETWORKING Cable
Conductor Material	Solid Bare Copper
No. Of Strands	1 Nos
Conductor (mm)	0.57 ± 0.015 mm
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.25MM
Insulation Diameter	1.38 ± 0.10 mm
PAIR TWISTING	
Pair - 1	Blue + White-Blue
Pair - 2	Orange + White-Orange
Pair - 3	Green + White-Green
Pair - 4	Brown + White-Brown
LAYING STAGE	
4 Pair Laid Up	All of the 4pair twisted together With Separator i.e. Cross Filler
RIP Cord	Yes (Available)
SHIELDING	
Polyester Tape	100% Coverage
Al-Mylar Tape	100% Coverage
Drain Wire	1/0.400± 0.008 ATC
OUTER JACKET	
Material	LSZH (LOW SMOKE ZERO HALOGEN) / PVC
Thickness (mm)	0.60 mm (Nominal)
Diameter (mm)	7.90 ± 0.30 mm
Colour	Blue or Light Grey

ELECTRICAL PARAMETERS

Conductor Resistance At 20°C	93.80 Ω/Km (Maximum)
Resistance DC Unbalance	5% (Maximum)
Insulation Resistance	>500.0 MΩ/KM AT 500 VDC
Dielectric Strength	1.0 KV AC for 1 Minute (Withstood)
Spark Test	1.5 KV AC for 0.15 Seconds (Withstood)
Capacitance To 1KHz (Approx)	5.6nF/100m

ORDERING INFORMATION AS PER FOLLOWS

PART NO	DESCRIPTION	PACKAGING
CAT6AFTP680LZ	CAT6A 10G SERIES - FTP CABLE	100 meter/box (1000ft)
CAT6AFTP680LZ	CAT6A 10G SERIES - FTP CABLE	305 meter/drum (1000ft)
CAT6AFTP680LZ	CAT6A 10G SERIES - FTP CABLE	500 meter/drum (1640ft)

COMPATIBLE KAYBE PRODUCTS

CAT 6A STP - Tool less Keystone Jack	CAT 6A STP - Rj45 Connectors 50u	CAT 6A SFTP Patch Cords	CAT 6A Patch Panel - STP 24port & 48port
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