

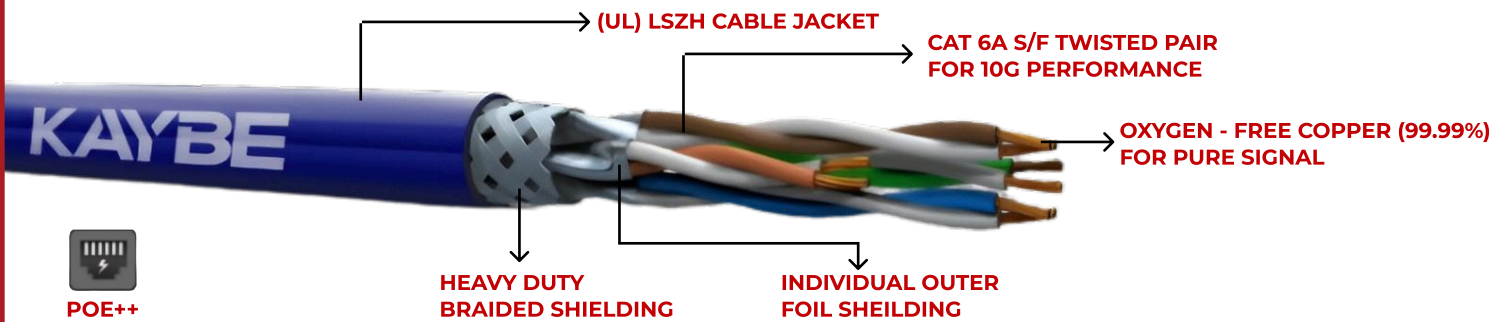


CAT6A PATCH CORD

PART NO.: CAT6A

DESCRIPTION: CAT6A 10G Ultra S/FTP Patch Cable

The Ultra Series™ Cat6A 10G patch cords from KAYBE are industrial-grade, designed with a highly durable, heat-resistant boot cover to ensure top performance in both indoor and outdoor environments. These cables are available in UTP and S/FTP twisted pair constructions, supporting transmission frequencies up to 1000MHz.



PRODUCT ATTRIBUTES

- Designed For CAT6A Applications And As Well Industrial Display Signage Solutions
- Industrial Grade LSZH Jacket With Excellent Durability For Indoor & Outdoor Use
- Supports 10G BASE-T, 1000BASE-TX, 100BASE-TX, And 10BASE-T Speeds
- 26 AWG SFTP Cable With 50U" Shielded Connectors
- Backward Compatible With Cat6, Cat5, And Cat5e Cable Categories

STRUCTURAL SPECIFICATIONS

Structure	RJ45 (8P8C) plug 2pcs + STP connector + Cat6A network cable
Colors	Black, Blue, Grey Colors options Available
Length	From 0.5Meter to 20Meter (more sizes are customized)
Packing	Environment Friendly Polybag - 1pc per bag
Printing	KAYBE (INDIA) CAT 6A SFTP PATCH CORD ...

CONSTRUCTION DATA SHEET

INNER CONDUCTOR	
Total Number of Conductors	8
Conductor Material	Annealed Bare Copper
Wire Gauge	23AWG
Conductor Diameter (∅)mm	7 STRANDS X 0.20MM
INSULATION	
Insulation Material	HDPE
Insulation Diameter	∅1.0±0.05mm
Elongation	≥300%
Color Cord	Pairs 1: White-Blue & Blue 2: White-Orange & Orange Pair 3: White-Green & Green; Pair 4: White-Brown & Brown
STANDARD	
Color cord	TIA/EIA 568B
CROSS	
4 Pair Laid Up	All of the 4pair twisted together With Separator i.e. Cross Web
SHIELDED	
Polytape	100% Coverage
Al-Mylar Tape	100% Coverage
Braiding	Tinned copper 64 braids
OUTER SHEATH	
Sheath Material	LSZH Jacket
Color	Black, Blue, Grey Colors options Available
Nom. Thickness	0.60mm±0.03mm
Max. overall Diameter	∅6.50±0.3mm
ELECTRICAL PARAMETER	
Conductor Resistance at 20*c	140.00 Ω/Km (Maximum)
Resistance DC Unbalance	5% (Maximum)
Insulation Resistance	>500.0 MΩ/KM AT 500 VDC
Dielectric Strength	0.700 KV AC for 1 Minute (Withstood)

MECHANICAL PERFORMANCE

TENSILE STRENGTH	
Insulation	13.79 N/mm ² (Minimum)
PVC Jacket	10.00 N/mm ² (Minimum)
Heat Shock Test (Pvc Jacketing)	150 ± 2*C X 1 hrs (No Cracks)
Cold Blend Test (Pvc Jacketing)	-15 ± 2*C for 2-3 hrs (No Cracks)

HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (MHz)	INSERT-ION LOSS (dB/100m) Max.	NEXT (dB) Min.	PS.NEXT (dB) Min.	ACRF (dB at 100m) Min.	PS.ACRF (dB at 100m) Min.	Return Loss (dB/100m)
1.0	2.3	65.0	62.0	63.30	60.30	19.00
4.0	4.2	63.0	60.5	51.20	48.20	19.00
8.0	5.8	58.2	55.6	45.20	42.20	19.00
10.0	6.5	56.6	54.0	43.30	40.30	19.00
16.0	8.2	53.2	50.6	39.20	36.20	18.00
20.0	9.2	51.6	49.0	37.20	34.20	17.50
25.0	10.2	50.0	47.3	35.30	32.30	17.00
31.3	11.5	48.4	45.7	33.40	30.40	16.50
62.5	16.4	43.4	40.6	27.30	24.30	14.00
100.0	20.9	39.9	37.1	23.30	20.30	12.00
200.0	30.1	34.8	31.9	17.20	14.20	9.00
250.0	33.9	33.1	30.2	15.30	12.30	8.00
300.0	37.4	31.7	28.8	13.70	10.70	7.20
400.0	43.7	28.7	25.8	11.20	8.20	6.00
500.0	49.3	26.1	23.2	9.30	6.30	6.00

* Transmission Characteristics as per Channel Limit

Note:- All Materials used in product are ROHS standard compliant (as per directive 2015/863/EU)

ORDERING INFORMATION AS PER FOLLOWS

PART NO	DESCRIPTION	LENGTH
C6ASFTP0.2M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	0.2M
C6ASFTP0.5M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	0.5M
C6ASFTP1M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	1M
C6ASFTP2M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	2M
C6ASFTP3M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	3M
C6ASFTP5M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	5M
C6ASFTP7.5M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	7.5M
C6ASFTP10M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	10M
C6ASFTP15M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	15M
C6ASFTP20M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	20M
C6ASFTP30M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	30M
C6ASFTP50M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	50M
C6ASFTP70M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	70M
C6ASFTP75M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	75M
C6ASFTP90M	CAT6A 10G Ultra, S/ftp, Lszh, Jacket, Industrial	90M

OTHER PRODUCTS INCLUDE

DMX CABLES	SPEAKON SERIES	SDI CABLES	POWER CABLE C13
USB CABLES	POWER CABLE C5	POWER CABLE EXTENSION	CAT7 10G PATCH VIDEO CABLE