

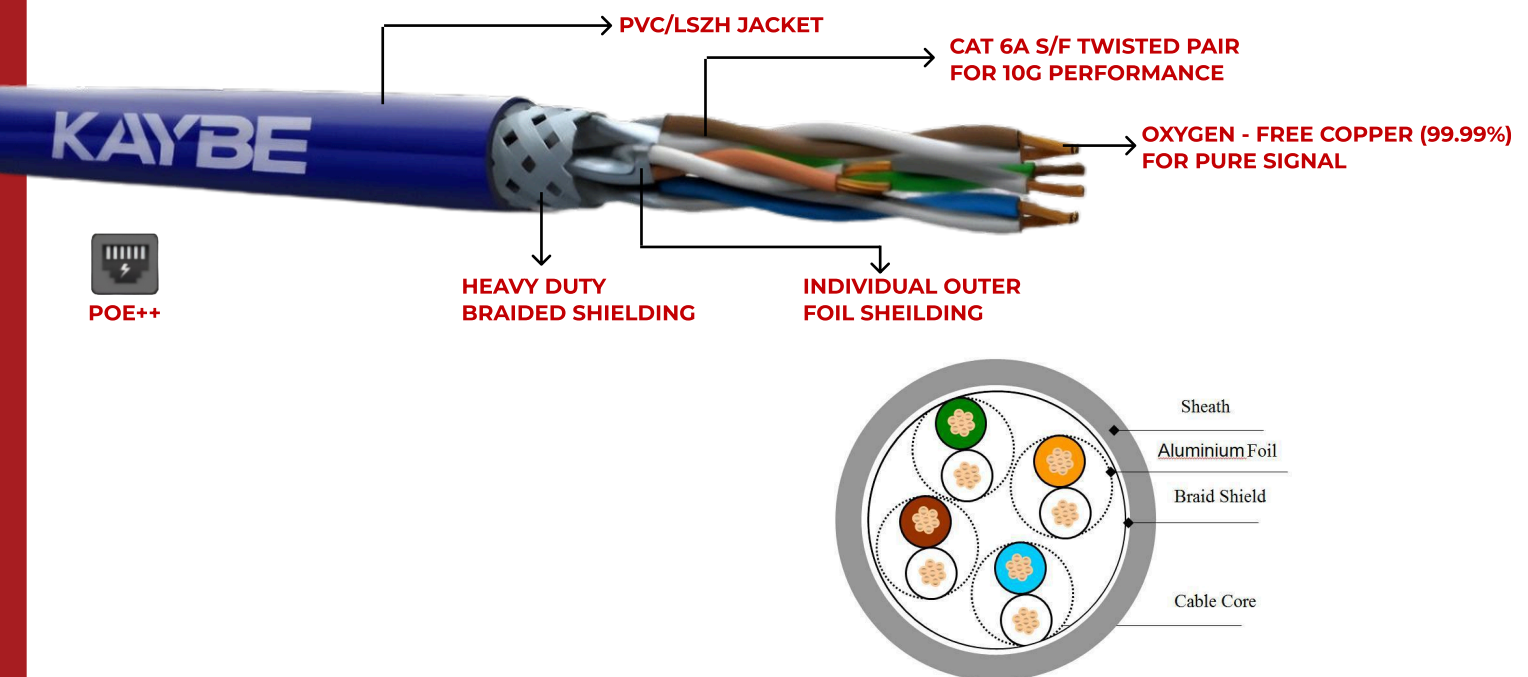


PATCH CORDS

PRODUCT CATEGORY: ULTRA SERIES

DESCRIPTION: CAT6A 10G Patch Cord Series

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 PVC & 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
- Compliance To Standards: ANSI/TIA 568-C.2, EN 50173, ISO/IEC 11801

STRUCTURAL SPECIFICATIONS

Structure	RJ45 (8p8c) plug 2pcs + Cat6A Network Cable
Colors	Black, Blue, Grey Colors options Available
Length	0.5meters to 50meters and more customized sizes are available
Packing	Environment Friendly Polybag - 1pc per bag
Printing	KAYBE (INDIA) CAT6A Patch Cord...

CONSTRUCTION DATA SHEET

INNER CONDUCTOR	
Total Number of Conductors	8
Conductor Material	Annealed Bare Copper
Wire Gauge	26AWG
Conductor Diameter (∅)mm	7 stranded conductors x 0.16mm
INSULATION	
Insulation Material	HDPE
Insulation Diameter	Φ1.0±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	for STP Cable
Al-Mylar Tape	for STP Cable
Braiding	Tinned Copper 64 braids for STP Cable
OUTER SHEATH	
Sheath Material	LSZH Jacket
Color	Black, Blue, Grey Colors options Available
Nom. Thickness	0.58±0.15
Max. overall Diameter	6.2±0.25
ELECTRICAL PARAMETER	
Conductor Resistance at 20*c	≤13.5 Ω/100m
Resistance DC Unbalance	5% (Maximum)
Insulation Resistance	(MΩ·km) ≥ 100
Dielectric Strength	AC-500V for 1 Min

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)

Reference Standard: UL444 & ETL

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	COLOR
C6ASFTPXXXMBL	KAYBE CAT 6A SFTP 10G Ultra LSZH	Blue
C6AUTPxxxMGY	KAYBE CAT6A UTP 10G ULTRA PVC	GREY

XXX = Length of cable from 0.25m up to 100meter drums

M = Meters

BL = Blue , GY = Grey

NOTE: COLORS ARE ON REQUEST AND THE CODE AT THE END OF PART NO WILL BE UPDATED WITH FIRST TWO LETTERS OF THE COLOR NAME