



CAT7 PATCH CORD

PART NO.: CAT7

DESCRIPTION: CAT7 10G Grand S/FTP Patch Cable

The Blaze Series™ Cat7 10G patch cords from KAYBE are industrial-grade, featuring an ultra-durable, heat-resistant boot cover for exceptional performance in both indoor and outdoor environments. Built with UTP and S/FTP twisted pairs, these cables support transmission frequencies up to 1000MHz.



PRODUCT ATTRIBUTES

- **Designed For Category 7 And 7A Applications**
- **Equipped With An LSZH Jacket For Optimal Performance And Durability**
- **Supports 10G BASE-T, 1000BASE-TX, 100BASE-TX, And 10BASE-T Speeds**

STRUCTURAL SPECIFICATIONS

Structure	RJ45 (8P8C) plug 2pcs + STP connector + Cat7 Advanced
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.7 SFTP PATCH CORD

CONSTRUCTION DATA SHEET

INNER CONDUCTOR	
Number of Pairs	4 Pairs
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
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)	INSERTION 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
C7SFTP1M	CAT 7a LSZH Industrial Connector, Grand Series	1M
C7SFTP2M	CAT 7a LSZH Industrial Connector, Grand Series	2M
C7SFTP3M	CAT 7a LSZH Industrial Connector, Grand Series	3M
C7SFTP5M	CAT 7a LSZH Industrial Connector, Grand Series	5M
C7SFTP7.5M	CAT 7a LSZH Industrial Connector, Grand Series	7.5M
C7SFTP10M	CAT 7a LSZH Industrial Connector, Grand Series	10M
C7SFTP20M	CAT 7a LSZH Industrial Connector, Grand Series	20M
C7SFTP30M	CAT 7a LSZH Industrial Connector, Grand Series	30M
C7SFTP50M	CAT 7a LSZH Industrial Connector, Grand Series	50M
C7SFTP70M	CAT 7a LSZH Industrial Connector, Grand Series	70M
C7SFTP100M	CAT 7a LSZH Industrial Connector, Grand Series	100M

OTHER PRODUCTS INCLUDE

DMX CABLES	SPEAKON SERIES	SDI CABLES	POWER CABLE C13
USB CABLES	POWER CABLE C5	CAT6A 10G PATCH VIDEO CABLE	POWER CABLE EXTENSION