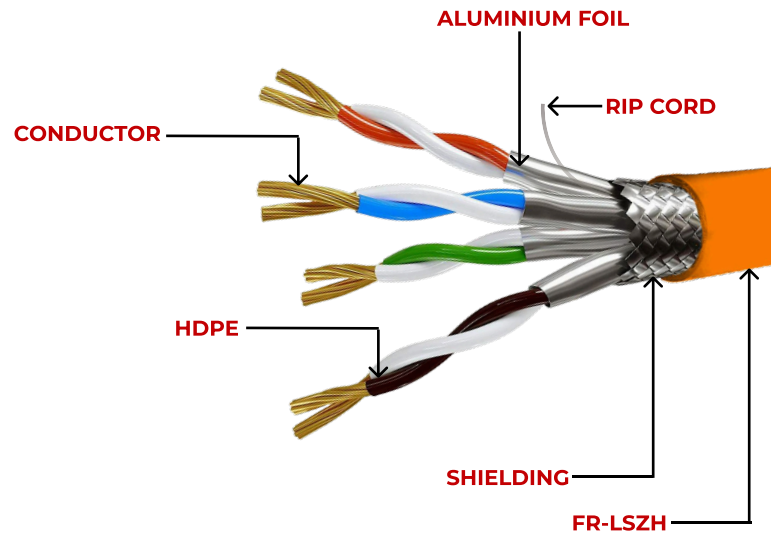
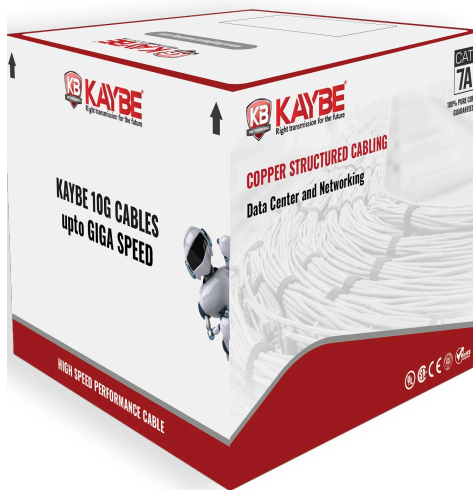


CAT7 10G GRAND SERIES - S/FTP CABLE

PART NO.: CAT710GGRAND

DESCRIPTION: GRAND 10G CAT7, S/FTP, LSZH, 23AWG CABLE

KAYBE CAT7 10G Grand Series - S/FTP cable is designed for superior performance, offering 10 Gigabit Ethernet speeds with individual pair shielding and overall foil protection. It supports up to 800 MHz bandwidth, ensuring high-speed, stable connections even in high-interference environments. Ideal for data centers and advanced networking installations.



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	78.0	78.0	78.0	75.0	20.0
4	3.8	78.0	78.0	78.0	75.0	23.0
8	5.3	78.0	78.0	77.2	74.2	24.5
10	5.9	78.0	78.0	75.3	72.3	25.0
16	7.5	78.0	78.0	71.2	68.2	25.0
20	8.4	78.0	78.0	69.3	66.3	25.0
25	9.4	78.0	78.0	67.3	64.3	24.3
31.25	10.5	75.5	72.5	65.4	62.4	23.6
62.5	15.0	72.4	69.4	59.4	56.4	21.5
100	19.1	67.9	64.9	55.3	52.3	20.1
250	31.1	66.4	63.4	47.3	44.3	17.3
300	34.3	65.2	62.2	45.8	42.8	17.3
400	40.1	63.4	60.4	43.3	40.3	17.3
500	45.3	61.9	58.9	41.3	38.3	17.3
600	50.1	60.7	57.7	39.7	36.7	17.3

CONSTRUCTION DATA SHEET

Operating Temperature	—15°C TO 70°C
CONDUCTOR	
Description	CAT.7/7A SFTP LSZH SHEATH CABLE
Conductor Material	Solid Bare Copper
No. Of Strands	1 Nos
Conductor (mm)	23 AWG
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.30MM (Nominal)
Insulation Diameter	1.42 ± 0.10 mm
PAIR TWISTING	
Pair - 1	White-Blue/Blue
Pair - 2	White-Orange/Orange
Pair - 3	White-Green/Green
Pair - 4	White-Brown/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
Braiding	60% Coverage
Drain Wire	1/0.400± 0.008 ATC
OUTER JACKET	
Material	LSZH (LOW SMOKE ZERO HALOGEN)
Thickness (mm)	0.60 mm (Nominal)
Diameter (mm)	8.20MM +/- 0.5
Colour	Grey or Yellow

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

COMPATIBLE KAYBE PRODUCTS

CAT 6A STP - Tool
less Keystone Jack

CAT 6A STP - RJ45
Connectors 50u

CAT 7 & 6A SFTP
Patch Cords

CAT 6A Patch Panel -
STP 24port & 48port