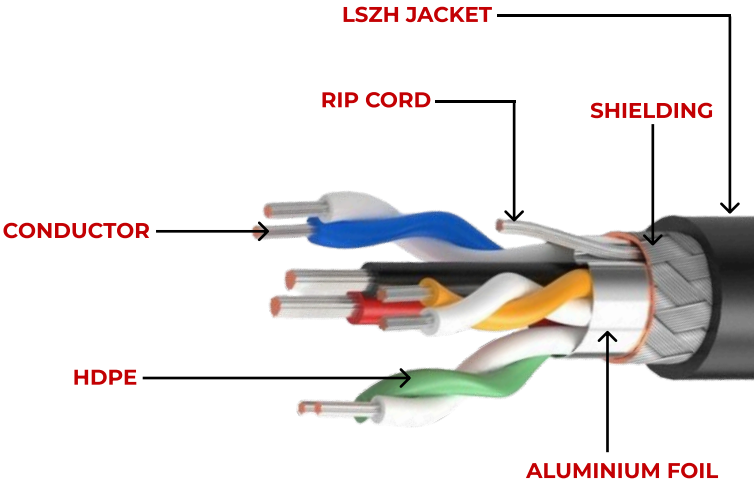
CAT6 SFTP OUTDOOR (COPPER)

PART NO.: CAT6SFTP677PE

DESCRIPTION: BLAZE CAT6, OUTDOOR SFTP CABLE

KAYBE CAT6 SFTP UV RATED Outdoor (Copper) cable offers robust performance with dual shielding to minimize interference, ensuring reliable high-speed data transmission. Designed for outdoor use, its weather-resistant jacket and pure copper conductors provide durability and superior connectivity. Ideal for Gigabit Ethernet and PoE, it's perfect for long-distance, demanding 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	1.8	71.0	67.4	70.1	67.3	25.2
4	3.6	62.5	64.1	58.8	55.9	28.1
8	5.0	60.0	63.2	51.2	50.0	26.3
10	5.8	58.1	61.5	50.1	46.7	30.1
16	7.7	55.0	60.0	46.9	43.9	31.0
20	7.9	54.3	55.6	45.3	41.5	30.8
25	8.4	53.7	54.9	42.5	40.7	29.6
31.25	10.0	52.3	55.9	41.8	36.8	29.0
62.5	14.5	46.7	49.8	35.0	30.3	26.7
100	18.1	44.0	46.3	32.1	28.1	25.0
250	33.0	38.0	36.0	20.0	18.0	18.0

CONSTRUCTION DATA SHEET

Operating Temperature	—10℃ TO 70℃
CONDUCTOR	
Conductor Material	Annealed Bare Copper
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.23 mm
Insulation Diameter	1.05 ± 0.05 mm
HDPE COLOR	
Pair - 1	White (Blue)/Blue
Pair - 2	White(Orange)/Orange
Pair - 3	White(Green)/Green
Pair - 4	White(Brown)/Brown
SHIELDING	
100% Coverage	Polyster Tape
100% Coverage	Al Myar Tape
Drain Wire	Tinned Copper
Braiding	60% Alloy coverage
OUTER JACKET	
Material	LDPE UV RATED + Flame retardant
Thickness (mm)	0.56 mm, with rip cord
Diameter (mm)	7.00 ± 0.30 mm

ELECTRICAL PARAMETERS

Conductor Resistance At 20℃	9.38 Ω/100m (Maximum)
Capacitance Unbalance Pair	330 PF/100m
Impedance	100 ohms/100m
Dielectric Strength	0.9KV - 1KV/min
Jacket Elongation	300% (Minimum)
Bending Radius Test	10 times
Working distance fluke pass	100m fluke pass ETL

Copyright © 2024 KAYBE Networking