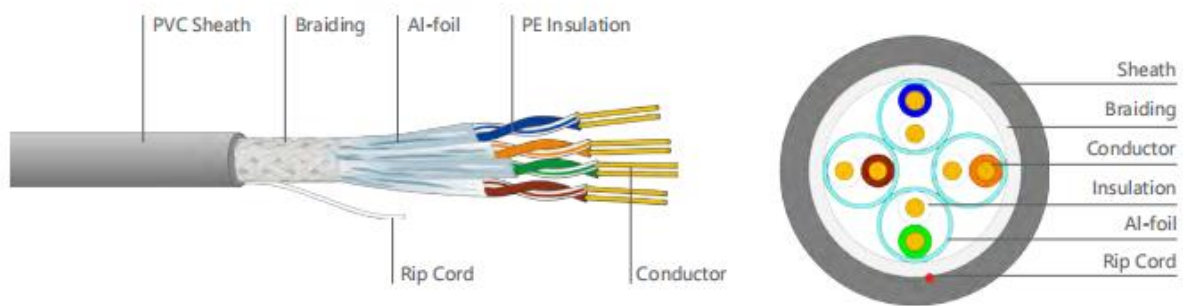


CASITEK | Category 6A S/FTP Cable



CATEGORY 6A S/FTP CABLE

High Performance LAN Cable – Fully Shielded (S/FTP)

APPLICATION

- Horizontal cabling for LAN systems
- High EMI environments (industrial, data center)
- Supports 10Gbps transmission

STANDARDS

- TIA/EIA-568-C.2 Category 6A
- ISO/IEC 11801 Class EA
- YD/T 1019-2013
- RoHS Compliant

FEATURES

- Bandwidth up to 500 MHz
- S/FTP construction: foil per pair + overall braid
- Superior anti-interference performance (~90dB)
- Reliable 10Gbps transmission

CONSTRUCTION

Item	Specification
Conductor	23AWG Solid OFC

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Insulation	PE (1.15 ± 0.05 mm)
Shield	Al-foil per pair + TC braid
Sheath	PVC
Overall Diameter	7.6 ± 0.3 mm

ELECTRICAL PERFORMANCE

Parameter	Value
Bandwidth	500 MHz
Data Rate	10 Gbps
Conductor Resistance	≤ 9.5 Ω/100m
Resistance Unbalance	≤ 2.5%
Capacitance	≤ 5.6 nF/100m

ORDER INFORMATION

Model No.	Description	Packing	Unit
CSK-C6A-SFTP-01	Cat.6A S/FTP Cable	305m/Reel	Reel

PERFORMANCE TABLE – CATEGORY 6A (CLASS EA)

Frequency Range: 1–500 MHz

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	RL (dB)
1	2.1	74.3	72.3	20.0
4	3.9	65.0	63.0	23.0
10	6.6	59.0	57.0	25.0
16	8.2	56.0	54.0	25.0
20	9.2	54.6	52.6	25.0

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31.25	11.6	52.8	50.8	23.6
62.5	16.8	48.3	46.3	21.5
100	20.9	44.3	42.3	20.1
155	26.5	42.0	40.0	18.8
200	30.6	40.9	38.9	18.0
250	33.3	39.9	37.9	17.3
500	47.5	35.3	33.3	15.0