

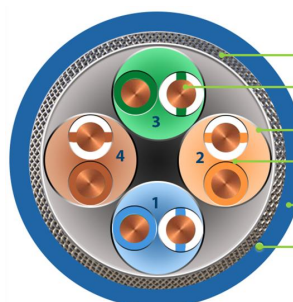
Product Specifications

S/FTP CAT8



Standard

- ANSI/TIA-568.C
- IEC 61156-9&ISO/IEC 11801
- ROHS 2011/65/EU



- Overall Braided Shield
- 100% Copper Conductor
- Individually Foil Shielded Pair
- Twisted Pair
- Jacket
- Rip Cord

Application

- Specialized for structured cabling, language transmission, data signal spreading, and it can be appropriate for the network connection between the wireless device terminal like computer, TV, router, TV set-top box and other equipment.
- Apply to the current high bandwidth applications and intelligent solutions.

Specification

- | | | |
|-------------------|---------------------------------|-------------|
| ■ Inner Conductor | BC | 23AWG |
| ■ Insulation | FPE | 1.45±0.05mm |
| ■ Shield | Individually Foil Shielded Pair | |
| ■ Drain Wire | TC | 32AWG |
| ■ Braiding | TC | ≥60% |
| ■ Rip Cord | Optional | |
| ■ Outer Sheath | PVC/LSZH | 7.8±0.4 mm |

Mechanical Property

- | | |
|---|--|
| ■ Insulation Tensile Strength: ≥16MPa | ■ Sheath Tensile Strength: ≥9MPa |
| ■ Elongation At Break Of Insulation: ≥300% | ■ Sheath Elongation At Break: ≥125% |
| ■ Aging Time And Temperature: (100±2)°C x168h | ■ Sheath Tensile Strength After Aging: ≥8MPa |

Electrical Performance(20 °C)

- | | |
|--------------------------------------|--|
| ■ Impedance: 1-100MHZ 100±15 (Ohms) | ■ Rated Temperature: 75°C |
| ■ DC Resistance: 7.9(Ohms/100m) | ■ Insulation Resistance: > 5000MΩ*KM |
| ■ Dielectric Strength: DC 2500V 2S | ■ Pair-to-Ground Capacitance Unbalance: 120(pF/km) |

Product Specifications

Electrical Characteristics (HF) At 20 °C

Frequency (MHz)	Attenuation (dB)	NEXT (dB)	R/L (dB)	ACR-F (dB)	PSANEXT (dB)	PSAACRF (dB)	Prop.Delay (ns/100m)
1	2.1	75.0	20.0	75.0	80.0	80.0	570
4	3.7	75.0	23.0	75.0	80.0	80.0	552
10	5.8	75.0	25.0	75.0	80.0	80.0	545
16	7.3	75.0	25.0	75.0	80.0	78.1	543
20	8.2	75.0	25.0	74.3	80.0	76.2	542
30	10.1	75.0	25.0	70.8	80.0	72.7	541
62	14.6	75.0	23.6	64.4	80.0	66.3	539
100	18.5	75.0	22.2	60.3	80.0	62.2	538
200	26.5	70.9	20.1	54.3	80.0	56.2	537
300	32.7	68.2	18.9	50.8	80.0	52.7	536
400	38.0	66.4	18.0	48.3	78.5	50.2	536
600	47.1	63.7	16.8	44.7	75.8	46.6	535
1000	61.9	60.4	15.2	40.3	72.5	42.2	535
1500	77.2	57.8	14.0	36.8	69.9	38.7	535
2000	90.5	55.9	13.1	34.3	68.0	36.2	535

Thermal Characteristics

- For fixed installation: -20°C up to +60°C
- For mobile installation: 0°C up to +50°C

Colour Code

- Wh/bu; wh/or; wh/gn; wh/bn