

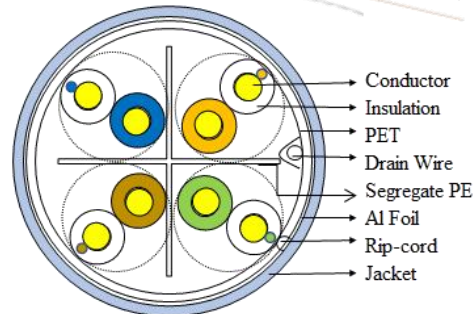
Product Specifications

FTP CAT6



Standard

- ANSI/TIA-568-C.2
- ISO 11801 2nd
- IEC 61156-5
- ROHS 2011/65/EU



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 | PE | |
| ■ PET | Yes | |
| ■ Drain wire | CCA | |
| ■ Segregate | PE | |
| ■ Aluminum Mylar | AL Foil | |
| ■ Rip Cord | Nylon Material | |
| ■ Outer Sheath | PVC/LSZH/PE | |

Mechanical Property

- | | |
|---|---|
| ■ Insulation Tensile Strength: $\geq 16\text{MPa}$ | ■ Sheath Tensile Strength: $\geq 10\text{MPa}$ |
| ■ Elongation At Break Of Insulation: $\geq 300\%$ | ■ Sheath Elongation At Break: $\geq 125\%$ |
| ■ Aging Time And Temperature: $100^{\circ}\text{C} * 168\text{h}$ | ■ Sheath Tensile Strength After Aging: $\geq 8\text{MPa}$ |

Electrical performance(20°C)

- | | |
|--|---|
| ■ Impedance: 1-250MHZ 100 ± 15 (Ohms) | ■ Rated Temperature: 75°C . |
| ■ DC Resistance 20°C: 7.9(Ohms/100m) | ■ Insulation Resistance: $> 5000\text{M}\Omega * \text{KM}$ |
| ■ Dielectric strength: DC 2500V 2S | ■ DC Resistance balance : $< 2.5\%$. |
| ■ Pair-to-Ground Capacitance Unbalance: 330(pF/100M) | |

Product Specifications

Electrical Characteristics (HF) At 20 °C

Frequency (100m) (MHz)	RL (dB)	IL (dB)	DOP (ns)	Delay Skew (ns)	Next (dB)	PSNEXT (dB)	ACR-F (dB)	PS ACR-F (dB)
1	20.0	2.0	570	45	74.3	72.3	67.8	64.8
4	23.0	3.8	552	45	65.3	63.3	55.7	52.8
10	25.0	6.0	545	45	59.3	57.3	47.8	44.8
16	25.0	7.6	543	45	56.2	54.2	43.7	40.7
20	25.0	8.5	542	45	55	53	41.8	38.8
31.25	23.5	10.7	540	45	52	50	37.9	34.9
62.5	21.5	15.4	538	45	47.4	45.4	31.9	28.9
100	20.0	19.8	537	45	44.3	42.3	27.8	24.8

Note: The above transmission performance for the 100M, 20±2°C under the conditions tested.

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