

Product Specifications

FTP shielded CAT6 Double Jacket Cable



Standard

- ANSI/TIA-568-C
- 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 | $\Phi 0.54 \pm 0.005 \text{mm}$ |
| ■ Insulation | HDPE | $\Phi 1.00 \pm 0.05 \text{mm}$ |
| ■ Segregate | PE | |
| ■ Shield | AL Foil | |
| ■ Rip Cord | Nylon Material (Available) | |
| ■ Inter Sheath | PVC | $\Phi 7.4 \pm 0.2 \text{mm}$ |
| ■ Outer Sheath | PE | $\Phi 8.8 \pm 0.2 \text{mm}$ |
| ■ CPR | Eca | |

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: $100^\circ\text{C} \times 168\text{h}$ | ■ Sheath Tensile Strength After Aging: $\geq 8 \text{MPa}$ |

Product Specifications

Electrical Performance(20 °C)

- Impedance: 1-100MHZ 100±15 (Ohms)
- DC Resistance: 10.8(Ohms/100m)
- Dielectric Strength: DC 2500V 2S
- Rated Temperature: 75°C
- Insulation Resistance: > 5000MΩ*KM
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M)

Electrical Characteristics (HF) At 20 °C

Frequency (MHz)	Impedance (Ω)	ATT (db/100)	NEXT (db)	ELFEXT (db)	RL (db)	PS-NEXT (db)	PS- ELFEXT (db)
1	100±15	2.04	74.3	67.8	20.0	72.3	64.8
4	100±15	3.81	65.3	55.8	23.0	63.3	52.8
8	100±15	5.35	60.3	49.7	24.5	58.8	46.7
10	100±15	5.99	59.3	47.8	25.0	57.3	44.8
16	100±15	7.6	56.2	43.7	25.0	54.2	40.7
20	100±15	8.52	54.8	41.8	25.0	52.8	38.8
25	100±15	9.57	53.3	39.8	24.3	51.3	36.8
31.25	100±15	10.74	51.9	37.9	23.6	49.9	34.9
62.3	100±15	15.48	47.4	31.9	21.5	45.4	28.9
100	100±15	19.92	44.3	27.8	20.1	42.3	24.8
125	100±22	22.49	42.8	25.9	19.42	40.8	22.9
200	100±22	29.15	39.8	21.8	18.0	37.8	18.8
250	100±22	33.04	38.3	19.8	17.32	36.3	16.8

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