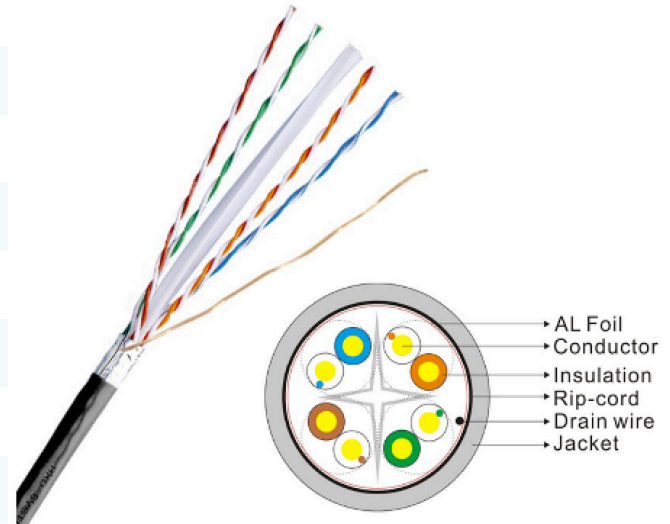


FTP CAT6 4P 23AWG OUTDOOR

Specifications

Conductor	Material	Solid Bare Copper
	AWG	23AWG
	Size	$\Phi 0.57 \pm 0.0057 \text{mm}$
Insulation	Material	HDPE
	Diameter	$\Phi 0.98 \pm 0.02 \text{mm}$
	Thickness	0.205mm
Cross	PE Separator + PET Tape	
Shielding	Foil Aluminum	
Drain Wire	CCA	
Jacket	Material	PE
	Diameter	$\Phi 6.5 \pm 0.02 \text{mm}$
	Thickness	0.60mm



Features

- ▶ Category 6 Shielded Twisted Pairs
- ▶ 550Mhz Bandwith; 10Gigbit
- ▶ Outdoor Rated Resistance Jacket
- ▶ Water-proof, Weather proof
- ▶ Packing: 50M / 100M / 305M / 500M / 1000M

Electrical characteristics

- ▶ Conductor Resistance: $< 9.38 \Omega / 100\text{m}$
- ▶ Insulation Resistance: Min. 5000 Mega Ω -km at 20°C
- ▶ Characteristic Impedance: 100 ± 15
- ▶ Resistance Unbalance: 5% Max
- ▶ Dielectric Test: 1000V DC/1min; No Breakdown
- ▶ Voltage Rating: 30V
- ▶ Operating temp: -20 °C to +75°C
- ▶ Standard: ISO/IEC 11801, EIA/TIA 568B, EN-50173

Transmission performance (for reference)

Frequency (MHz)	Loss (dB)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELF EXT	ACR (dB)	PSACR (dB)
1	2.0	2.0	74.3	72.3	67.8	64.8	72.3	70.3
4	3.8	23	65.3	63.3	55.8	52.8	61.5	59.5
8	5.3	24.5	60.8	58.8	49.7	48.7	55.5	53.5
10	6.0	25	59.3	57.3	47.8	44.8	53.3	51.3
16	7.6	25	56.2	54.2	43.7	40.7	48.6	46.6
20	8.5	25	54.8	52.8	41.8	38.8	46.3	44.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8	41.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2	39.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32	30.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5	22.5
200	29.0	18.7	39.8	37.8	21.8	18.8	10.8	8.8
250	32.8	18	38.3	36.3	19.8	16.8	5.5	3.5
350	39.8	17	36.1	34.1	16.9	13.9	-1.8	-3.8
400	43.0	16.6	35.3	33.7	15.7	12.7	-5.7	-7.7
450	46.3	16.2	34.5	32.5	14.7	11.7	-9.5	-11.5
500	48.9	15.9	33.8	31.8	13.8	10.8	-13.1	-15.1
550	51.8	15.6	33.2	31.2	12.9	9.9	-16.4	-18.4

Certificates



Appliance

- ▶ Cable for data transmission in structured cabling networks, horizontal and secondary facilities.
- ▶ All sizes and values without tolerances are reference values. We reserve the right to amend the specification without prior notice.