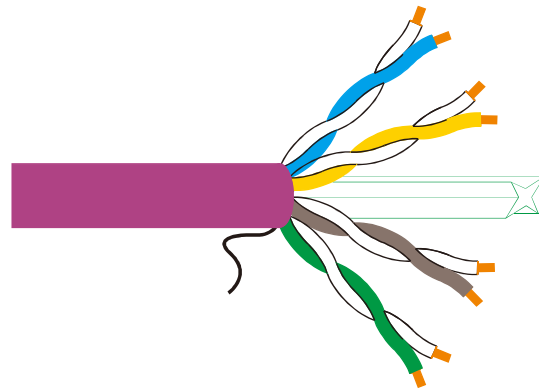
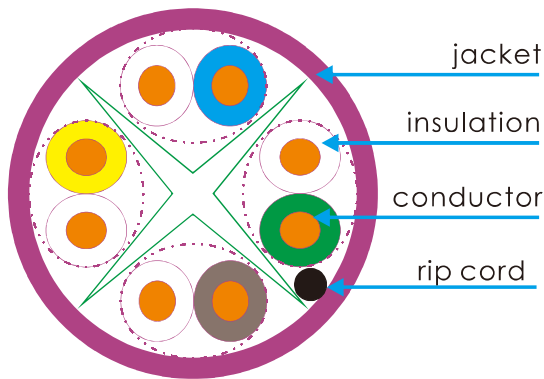


7Star® CATEGORY 6 CABLE,UTP,4 PAIRS,100 Ω ,PVC



Description

Complies with Class E & Cat 6 standards, Supports applications up to 250MHz.

Characteristic

Physical

Conductor

Material: solid bare copper

Diameter: 0.56 ± 0.005 mm

Elongation ratio: $\geq 15\%$

AWG: 23

Insulation

Material: HDPE

Diameter: $0.98 \text{mm} \pm 0.02 \text{mm}$

Rip cord: optional

Out jacket

Material: PVC

Color: Optional

Thickness: 0.5mm

Diameter: 6.5 ± 0.5 mm

Electrical

Linear resistance (100m): $\leq 9.5 \Omega$

Mutual capacity(100m): $\leq 5.6 \text{nF}$

Unbalance capacity(100m): $\leq 330 \text{pF}$

Characteristic impedance(1 to 100 MHz): $100 \pm 15 \Omega$

Velocity of propagation: Approx 66% of C(at 250MHz)

Environmental

working temperature: -40°C to $+70^\circ\text{C}$

Transmission performance(20°C,100m)

Frequency (MHz)	ReturnLoss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	EL FEXT	PSELFEXT (dB/100m)
1	20	2.0	74.3	72.3	67.8	64.8
4	23	3.8	66.3	63.3	56	53.0
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25	6.0	60.3	57.3	48	45.0
16	25	7.6	57.2	54.2	43.9	40.9
20	25	8.5	55.8	52.8	42.0	39.0
25	24.3	9.5	54.3	51.3	40.0	37.0
31.25	23.6	10.7	52.9	49.9	38.1	35.1
62.5	21.5	15.4	48.4	45.4	32.1	29.1
100	20.1	19.8	45.3	42.3	28.0	25.0
200	18.0	29.0	40.8	37.8	22.0	19.0
250	17.3	32.8	39.3	36.3	20.0	17.0

Standard

ISO/IEC 11801
TIA/EIA 568-C.2
...

Application

10 BASE-T Ethernet
100 BASE-T Fast Ethernet
100 BASE-TX Fast Ethernet
155 Mbit ATM
625 Mbit ATM
1.2 Gbit ATM

Install info

Bending radius: $\geq 10 \times \text{diameter}$

Packing info

Length: 305m or 500m a plywood drum
Weight: 40 Kg/KM

