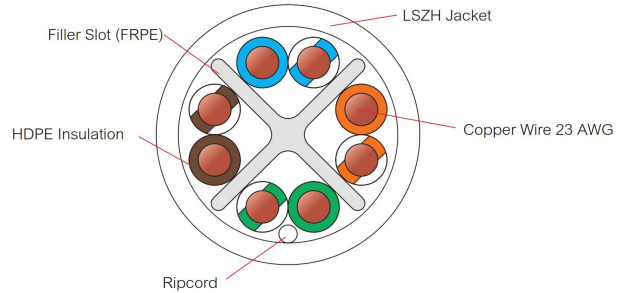
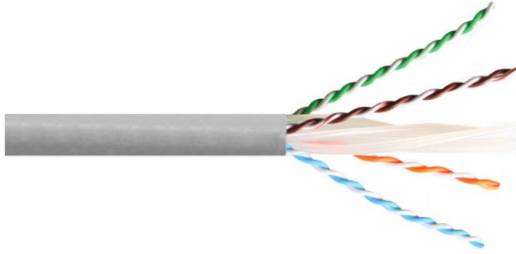


CAT6 UTP Cable

Indoor UTP CABLE



Application

High-Performance Data Cable. Indoor UV Rated Jacket. Self-supporting. 4 twisted-Pair cable, Using solid bare copper conductor 23 AWG, insulated with CMR/LSZH Jacket

Standard

TIA/EIA- 568A/B/C.2 Category 6, ISO/IEC-11801 2002 (Edition 2) Class E, EN50173: 2002 (Ed.2), EN50288-3-1, ICEA S-102-700, EN 50173-1, ASTM D4566-98, IEC61156-5(2002), EN50288-6-1, NEC800, IEC 60332-1, IEEE 802.3, NEMA WC 66, UL444 and cUL (CMR).

Applications

- 4/16 Mbps Token Ring (IEEE 802.5)
- 10Mbps 10Base-T Ethernet (IEEE 802.3u)
- 100Mbps Fast Ethernet (IEEE 802.3u)
- 1000Mbps 1000Base-T Gigabit Ethernet (IEEE 802.3)
- 10GBASE-T 10Gigabit Ethernet 55m (IEEE 802.3an)
- 52/155/622 Mbps ATM, 1.2 Gbps ATM
- Analog & Digital Voice, Digital & Analog Video
- ANSI X3T9.5 TPDDI, TP-PMD, ISDN
- Baseband, Boardband
- Voice over internet Protocol (VoIP)
- Power over Ethernet (PoE) - IEEE 802.3af, IEEE 802.3at
- Use Full high speed for IP Camera

Transmission Performance

FREQUENCY (MHZ)	INSERTION LOSS (dB/100)	NEXT MIN. (dB)	ACR MIN. (dB)	PS.NEXT MIN. (dB)	PS.ACR MIN. (dB)	ELFEXT MIN. (dB/100)	ARC-F MIN. (dB/100)	PS. ELFEXT MIN. (dB/100)	RL MIN.(dB)
1	2.0	78.0	76.0	76.0	73.5	69.0	69.0	66.0	20.0
31.25	10.7	56.0	45.3	54.0	42.8	38.5	38.5	35.6	23.6
62.5	15.4	50.5	35.1	52.2	33.0	33.0	33.0	29.5	21.5
100	19.8	47.5	27.7	49.8	25.6	28.5	28.5	25.8	20.1
155	25.1	45.0	19.7	47.2	17.2	25.0	25.0	23.0	18.8
200	29.0	44.4	15.4	45.0	12.3	22.5	22.5	21.7	18.0
250	32.0	45.9	10.9	45.2	6.5	24.2	24.2	18.0	25.3
300	36.4	41.5	4.9	40.7	1.9	18.5	18.5	15.6	16.8
400	43.0	38.5	N/A	37.5	N/A	16.5	16.5	13.7	15.9
550	51.8	36.7	N/A	34.5	N/A	13.5	13.5	10.7	14.9
600	54.5	39.5	N/A	36.5	N/A	22.7	15.0	10.0	22.7

CAT6 UTP Cable

Indoor UTP CABLE

Electrical & Physical Specification

Impedance	100+/- 15Ω@600MHz
Mutual Capacitance	5.6nF Max/100 m
Attenuation	32.8 dB / 250Mhz
Return Loss	17.4 dB / 250Mhz
PS NEXT	39.5 dB / 250Mhz
Conductor	<8.2 Ohm/100m
Voltage endurance	DC 1500V/min
Rating Temp Voltage	75 C, 300 Volts
Sheath Thickness	0.55 mm
tensile load	110N(CMR Rate)
Capacitance, Unbalance	160pF Max/100 m
DC Resistance	6.658Ω Max/100 m
DC Resistance, Unbalance	5.0% Max
Insulated Resistance	5000 MΩ/Km
Propagation Delay	536 ns/ 100 m Max @ 600MHz
Delay Skew	40ns/100m
NVP	69%
Flame Rating	Ultimate Breaking Strengt <- 400 N , CMX (UL444)
Minimum Bending Radius	Install 8 X Cable Diameter After Install 4 X Cable Diameter

Construction of Cable

Conductor	Material	Solid bare copper (BC)
	Diameter	23 AWG (0.55mm)
Insulation	Material	HDPE (High Density Polyethylene)
	Diameter	1.03 ± 0.2 mm
	Material	White PVC, Lead free
Outer jacket	Thickness	1.0 ± 0.2 mm
	Ripcord	Under jacket
Twisting Pair lay Length	<38 mm	
Labling Lay Length	<120 mm	
Separator	FRPE Isolator Separator	
Pair Colors	Pair1 White/Blue -Blue	
	Pair2 White/Orange -Orange	
	Pair3 White/Green- Green	
	Pair4 White/Brown-Brown	
Diameter	5.5 ± 0.2 mm.	

Temperature Range

Operation Temperature	-40°C to +75°C
Installation Temperature	-40°C to +75°C
Storage/Shipping Temperature	-40°C to +80°C