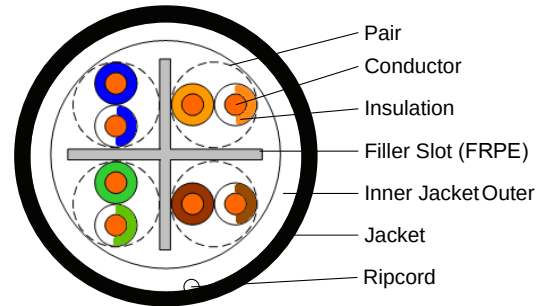
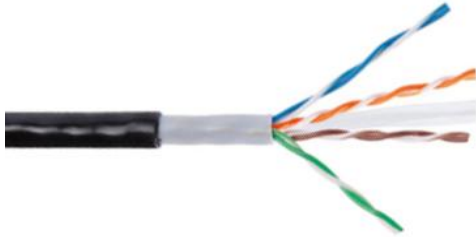


CAT6 UTP Cable

Outdoor Double Jacket UTP, 23AWG



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

Application

1000BASE-T (IEEE802.3ab Gigabit Ethernet), 10/100/1000 Mbps Standard UTP 6, 100BASE-TX (IEEE802.3u Fast Ethernet), 10BASE-T (IEEE802.3 Ethernet) 52/155/622 Mbps and 1.2Gbps ATM, 10GBASE-T (IEEE802.3an 10Gigabit Ethernet, 55m), POE, POE+ (IEEE802.3af, IEEE802.3at) TP-PMD, 100 Mbps TPDDI, ISDN, VoIP, Analog & Digital Voice, Digital & Analog Video, 10 BASE-T, Broadband video, 4/16 Mbps Token Ring.

Standard

ANSI/TIA-568-C.2 Category 6, ANSI-TIA/EIA-568-B.2 Category 6, TIA/EIA-568 A/B Category 6, TIA/EIA Category 6, CENELEC EN 50173, ANSI/TIA-568.2-D, ISO/IEC11801:2017, ISO/IEC 11801:2002 Class E, EN50173-1 Category 6, EN50288-3-1, IEC61156-5, NEC800, UL444, UL E197771, NEMA MC63.1, EN 50288-6-1, ICEA S-102-700 Category 6, NEMAWC66.1 ICEAS-90-661 Category 6, RoHS Compliant

Structure Specification

Conductor	Material	Solid bare copper
	Diameter	23 AWG (0.57mm)BC
Insulation	Material	1.02 mm HDPE
	Diameter	1.0±0.5 mm.
Outer jacket	Material	PE 7.4±0.2mm ,UV Proof
Inner jacket	Material	FR-PVC 6.1±0.2 mm (Black) ,Lead free
Ripcord	Under jacket	
Pair Colors	Pair1 White/Blue - Blue Pair2 White/Orange - Orange Pair3 White/Green - Green Pair4 White/Brown - Brown	
Diameter	7.4 mm.	

Transmission Performance

(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	28.6	42.9	10.9	43.2	6.5	21.2	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

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Electrical & Physical Specification

Impedance	100 +/- 15 Ohms, 1 MHz to 600 MHz
Mutual Capacitance	5.6 nF Max / 100m
Capacitance, Unbalance	160 pF Max / 100m
DC Resistance	9.38 ohm Max./100m
DC Resistance, Unbalance	2.5% Max.
Dielectric Strength	1kV/min
Insulation Resistance	5000 MΩ/km
Propagation Delay	536 ns/100m Max @600MHz
Delay Skew	25 ns Max.
NVP	69%
Voltage	300 volts AC or DC
Flame Rating	CMX (UL 444)
Approvals	RoHS Compliant 2002/95/EC
Minimum Bending Radius	Install : 4 X Cable Diameter After Install : 8 X Cable Diameter
Tensile Strength	9.7 MPa (1400 PSI)

Temperature Range

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

Ordering Information

UTP-SG-6-DJ	CAT6, UTP, Outdoor Double Jacket UTP, 23AWG
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