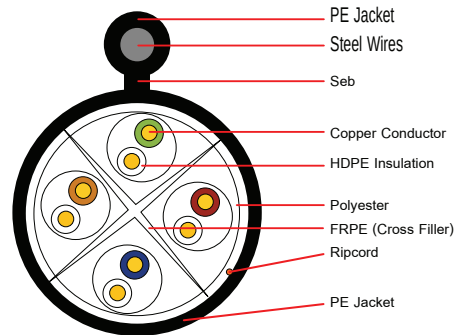


L-U06-DW-DJ

CAT6 UTP Cable, Outdoor Dropwire



Overview

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

Standard

ANSI/TIA-568-C.2 Category 6, ISO/ICE 11801:2002 Class E, EN 50173-1 Category 6, ICEA S-102-700 Category 6, EN 50288-6-1, NEMA WC 66, ANSI/TIA-568.2-D, ISO/IEC11801:2017IEC61156-5, ASTM, D4566-98,ICE 60332-1, UL/CSA Listed CM,CMR,CMP and LSZH, ETL and 3P Verify to TIA-568-C.2 CAT6 , ISO/IEC 11801:2017 RoHS Compliant

Temperature Range

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

Applications

1000BASE-T (IEEE802.3ab Gigabit Ethernet) 100BASE-TX(IEEE802.3u Fast Ethernet) 10BASE-T(IEEE802.3 Ethernet) 52/155/622 Mbps and 1.2Gbps ATM, 10GBASE-T(55m), POE(IEEE802.3af, IEEE802.3at), IEEE802.5, 4/16 Mbps Token Ring, TP-PMD, TPDDI, ISDN, VOIP, Analog & Digital Voice, Digital & Analog Video.

Electrical Characteristic & Physical Property

Impedance	100+/-15Ω (1-600 MHz)
Mutual Capacitance	5.6nF Max/100 m
Capacitance, Unbalance	160pF Max/100 m
DC Resistance	66.58Ω Max./1000 m
DC Resistance, Unbalance	2.5% Max
Insulated Resistance	5000 MΩ/Km
Dielectric Strength	1KV/min
Propagation Delay	536 ns/ 100 m Max @ 600MHz
Delay Skew	30 ns Max
NVP	69%
Flame Rating	CMX (UL444)
Minimum Bending Radius	Install 8 X Cable Diameter After Install 4 X Cable Diameter
Tension	9.7 MPa

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Specifications

Conductor	Material	Solid bare copper
	Diameter	23 AWG (0.57mm)BC
Insulation	Material	HDPE 1.00 mm ± 0.05 mm.
	Diameter	0.90 ± 0.5 mm.
Outer jacket	Material	UV-Proof PE 7.4 ± 0.2 mm.
Inner jacket	Material	Black FR-PVC 6.1 ± 0.2 mm.
Messenger Wire	Material	Galvanize Steel Wire 1.3 mm Ripcord
Under jacket		
Pair Color	Pair1 White/Blue-Blue Pair2 White/Orange-Orange Pair3 White/Green-Green Pair4 White/Brown-Brown	

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

Ordering Information

PRODUCT	PART NUMBER
Cat6 UTP Cable, Outdoor Double Jacket, 23AWG, 600MHz,	L-U06-DW-DJ