

LAN SYSTEM PRODUCTS

CAT6 UTP CABLE OUTDOOR DROP WIRE With 2 POWER DOUBLE JACKET.



PRODUCT DESCRIPTION

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 6E, 100BASE-TX(IEEE802.3 i/u/ab Fast Ethernet), 10BASE-T(IEEE802.3 Ethernet) 52/155/622 Mbps and 1.2Gbps ATM, 2.5G/5G Base-T(IEEE802.3bz), 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, Digital & Analog For data, video & audio application, 4/16Mbps Token Ring, HD BaseT 2.0 standard, Baseband, Broadband.

STANDARD

- ANSI/TIA-568-C.2 Category 6, ANSI/TIA-568.2-D,
- ISO/IEC 11801:2002 Class E, ISO/IEC 11801:2017 Class E, ISO/IEC 11801:2017, IEC 61156-5, ISO/IEC 11801:2017
- EN 50173-1 Category 6, EN 50288-6-1
- ICEA S-102-700 Category 6, IEC 60332-1
- NEMA WC 66,, ASTM, D4566-98,
- UL/CSA Listed CM, CMR, CMP and LSZH, ETL and 3P Verify to TIA-568-C.2 CAT6
- UL444 , NEC800, RoHS Compliant.

TEMPERATURE

Installation - 40 °C to 75 °C

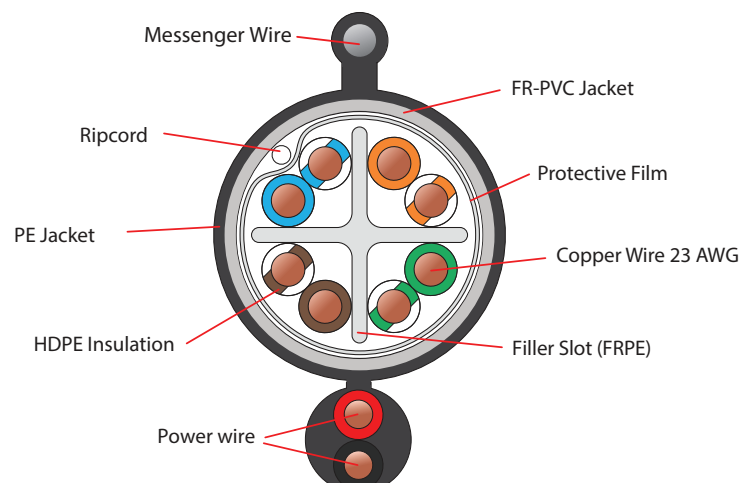
Operating - 40 °C to 75 °C

Storage - 40 °C to 80 °C

Rating Temp Voltage 75 °C, 300Volts



L-UO6-DW2P-DJ



ONSTRUCTION OF CABLE

Conductor	Material	Solid bare copper (BC)
	Diameter	23 AWG (0.57mm)
Insulation	Material	HDPE
	Thickness	1.02 mm
	Diameter	1.5 ± 0.5 mm.
Outer jacket	Material	PE ,UV Proof
Inner jacket	Material	FR-PVC
Messenger Wire	Material	Galvanize Steel Wire 1.3 mm
Power Cords	1.0mm 2X9X0.38mm CCA	
Ripcord	Under jacket	
Pair Colors	Pair1 White/Blue-Blue	
	Pair2 White/Orange -Orange	
	Pair3 White/Green-Green	
	Pair4 White/Brown-Brown	
Diameter	7.4±0.2mm	

ELECTRICAL CHARACTERISTICS & PHYSICAL PROPERTY

Impedance	100+/-15Ω
Mutual Capacitance	5.6nF Max/100 m
Capacitance, Unbalance	160pF Max/100 m
DC Resistance	9.38Ω Max/100 m
DC Resistance, Unbalance	2% Max
Insulated Resistance	5000 MΩ/Km
Dielectric Strength	1KV/min
Propagation Delay	536 ns/ 100 m Max @ 600MHz
Delay Skew	25 ns Max
NVP	69%
Voltage	300 Volts AC or DC
Flame Rating	CMX (UL444)
Minimum Bending Radius	Install 8 X Cable Diameter
	After Install 4 X Cable Diameter
Tension	16.5 MPa

TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	INSERTION IOSS (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

ORDER INFOMATION

PRODUCT	PART NUMBER
Cat6 UTP Cable, Outdoor Drop Wire with 2Power, Double Jacket, 24AWG, 600MHz	L-UO6-DW2P-DJ