



LINK Category 6, UTP Outdoor Double Jacket with Drop Wire (600MHz), 23AWG

## FEATURES AND BENEFITS

LINK Ultra Category 6 U/UTP outdoor double jacket with drop wire cables compliant ISO/IEC 11801 Class E and ANSI/TIA-568-C.2 requirements for category 6 performance. These cables are characterized to 600MHz, Powersum NEXT tested certified. The cables are designed for outdoor aerial installation with drop wire for CCTV system or other.

### Standard Compliances

- ANSI/TIA-568-C.2 Category 6
- ANSI/TIA/EIA-568-B.2-1 Category 6
- ISO/IEC 11801:2002 class E
- EN 50173-1 Category 6
- EN 50288-6-1, IEC 61156-5
- UL 444/NEC 800
- ICEA S-102-700 Category 6
- NEMA WC 66
- RoHS Compliant

### Applications Support

- 10G BASE-T ( IEEE 802.3an 10Gigabit Ethernet, \*55m )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 1000 BASE-TX ( TIA/EIA-854 )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 52/155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Baseband, Broadband
- Analog & Digital Voice, Digital & Analog Video

## ORDER INFORMATION

Part number	Description	Color	Length	Package
US-9106MD	Category 6, 4 Pairs, U/UTP Cable, 23AWG, Outdoor Double Jacket with Drop wire, 600MHz	Black	305 m	Roll

\*Other jacket color available on request.



**PERFORMANCE CHARACTERISTIC** (meet or exceed ANSI/TIA-568-C.2 Category 6)

Frequency (MHz)	Insertion Loss (dB/100m)	NEXT (dB)		ACR (dB)		PS.NEXT (dB)		PS.ACR (dB)		ELFEXT (dB)		PSELFEXT (dB)		R.L. (dB)	
	Max.	min	nom	min	nom	min	nom	min	nom	min	nom	min	nom	min	nom
0.772	1.8	79.0	82	77.2	80.2	77.0	79.0	75.2	77.2	70.0	73	67.0	69	-	-
1	2.0	78.0	81.0	76.0	79.3	76.0	78.0	73.5	75.8	69.0	72.0	66.0	68.0	20.0	28.0
4	3.8	69.8	72.8	66.0	69.0	67.0	69.0	62.7	65.0	56.5	59.5	53.5	55.5	23.0	31.0
8	5.3	65.4	68.4	60.1	62.8	63.4	65.4	57.1	58.8	51.0	53.1	48.0	50.0	24.5	32.5
10	6.0	63.8	66.8	57.8	61.1	61.2	63.2	54.5	56.8	48.5	51.5	46.4	48.4	25.0	33.0
16	7.6	60.0	63.0	52.4	55.7	58.9	60.9	49.9	52.2	45.0	48.0	42.2	44.2	25.0	33.0
20	8.5	59.0	61.0	50.5	53.3	57.0	59.0	48.0	49.8	42.5	45.5	40.1	42.1	25.0	33.0
25	9.5	57.5	60.5	48.0	51.3	56.8	58.8	44.9	47.2	41.0	44.0	37.7	39.7	24.3	32.3
31.25	10.7	56.0	59.0	45.3	46.2	54.0	56.0	42.8	44.7	38.5	41.5	35.6	37.6	23.6	31.6
62.5	15.4	50.5	53.5	35.1	38.4	52.2	54.2	33.0	35.0	33.0	36.0	29.5	31.5	21.5	29.5
100	19.8	47.5	50.5	27.7	30.9	49.8	51.8	25.6	27.8	28.5	31.5	25.8	27.8	20.1	28.1
155	25.1	45.0	48.0	19.7	23.1	47.2	49.2	17.2	19.6	25.0	28.0	23.0	25.0	18.8	26.8
200	29.0	44.4	47.4	15.4	18.0	45.0	47.0	12.3	13.9	22.5	25.5	21.7	23.7	18.0	26.0
250	32.0	42.9	45.9	10.9	13.1	43.2	45.2	6.5	8.6	21.2	24.2	18.0	20.0	17.3	25.3
300	36.6	41.5	43.5	4.9	6.5	40.7	42.7	1.9	4.0	18.5	21.5	15.6	17.6	16.8	24.8
350	40.0	39.5	42.5	1.0	3.1	38.5	40.5	-	-	17.5	20.5	14.5	16.5	16.3	24.3
400	43.0	38.5	41.5	-	-	37.5	39.5	-	-	16.5	19.5	13.7	15.7	15.9	23.9
450	46.3	38.0	41.0	-	-	36.5	38.5	-	-	15.5	18.5	12.8	14.8	15.5	23.5
500	49.2	37.5	40.5	-	-	35.5	37.5	-	-	14.5	17.5	11.5	13.5	15.2	23.2
550	51.8	36.7	39.7	-	-	34.5	36.5	-	-	13.5	16.5	10.7	12.7	14.9	22.9
600	54.5	36.5	39.5	-	-	34.5	36.5	-	-	13.0	15.0	10.0	12.0	14.7	22.7

**ELECTRICAL CHARACTERISTIC**

<b>Impedance</b>	100 ± 15 Ohms, 1 MHz to 600 MHz
<b>Mutual Capacitance</b>	5.6 nF Max / 100m
<b>Capacitance, Unbalance</b>	160 pF Max / 100m
<b>DC Resistance</b>	66.58 ohm Max./1000m
<b>DC Resistance, Unbalance</b>	2.5% Max.
<b>Dielectric Strength</b>	1kV/min
<b>Insulated Resistance</b>	5000 MΩ/km
<b>Propagation Delay</b>	536 ns/100m Max @600MHz
<b>Delay Skew</b>	30 ns Max
<b>NVP</b>	69%

## CABLE CONSTRUCTION

<b>Conductor</b>	<b>Material</b>	Solid bare copper
	<b>No. of Conductor</b>	4 Pairs (8 wires)
	<b>Diameter</b>	23 AWG (0.57mm)
<b>Insulation</b>	<b>Material</b>	High Density polyethylene (HDPE)
	<b>Diameter</b>	1.00 ±0.05 mm
<b>Ripcord</b>		Under Jacket
<b>Color Code</b>	<b>Pair 1</b>	White/Blue – Blue
	<b>Pair 2</b>	White/Orange – Orange
	<b>Pair 3</b>	White/Green – Green
	<b>Pair 4</b>	White/Brown – Brown
<b>Filler slot (Cross Filler)</b>	<b>Material</b>	FRPE
<b>Drop Wire (Messenger Wire)</b>	<b>Material</b>	Galvanize Steel Wire
	<b>Diameter</b>	1.3 ±0.1 mm.
<b>Inner Jacket</b>	<b>Material</b>	FR-PVC
	<b>Thickness</b>	0.51 ±0.5 mm.
	<b>Color</b>	Black
	<b>Cable Diameter</b>	6.1 ±0.2 mm.
<b>Outer Jacket</b>	<b>Material</b>	UV-Proof, PE
	<b>Thickness</b>	0.51 ±0.5 mm.
	<b>Color</b>	Black
	<b>Cable Diameter</b>	7.4 ±0.2 mm.
<b>Overall Diameter</b>		10.4 ±0.2 mm.
<b>Marking</b>		White color in every 1 m
<b>Flame Rating</b>		CMX (UL 444)

## PHYSICAL PROPERTIES

<b>Tensile Strength</b>		16.5 MPa (2400 PSI)
<b>Min. Bending Radius</b>	<b>Installation</b>	8 X Cable Diameter
	<b>Operation</b>	4 X Cable Diameter
<b>Temperature</b>	<b>Installation/Operation</b>	-40°C to 75°C
	<b>Storage</b>	-40°C to 80°C

**-END OF SPECIFICATION-**