

# LAN SYSTEM PRODUCTS

CAT5E UTP CABLE OUTDOOR DROPWIRE DOUBLE JACKET.



## PRODUCT DESCRIPTION

4 twisted-pair cable, using solid bare copper conductor 24 AWG insulated with HDPE-high density polyethylene. External jacket using black PE-linear low density polyethylene UV resistant suitable for outdoor application.

## APPLICATION

1000BAS-T (IEEE802.3ab Gigabit Ethernet) , 100BASE-TX (IEEE802.3u Fast Ethernet), 10BASE-T(IEEE802.3 Ethernet) , 52/155/622 Mbps and 1.2Gbps ATM, POE, POE+(IEEE802.3af, IEEE802.3at) ,TP-PMD, TPDDI, ISDN, VOIP, Analog & Digital Voice, Digital & Analog Video 4/16 Mbps Token Ring. 2.5G BASE-T (IEEE802.3bz)

## STANDARD

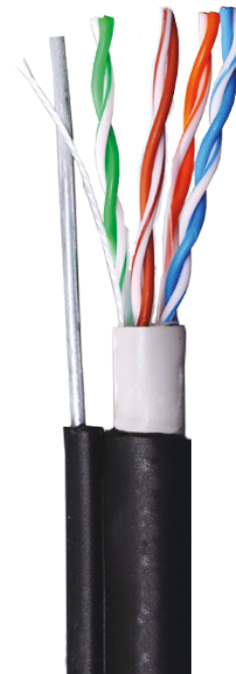
- ANSI/TIA-568-C.2 Category 5E, ANSI-TIA/EIA-568-B.2 Category 5E
- ISO/IEC 11801:2002 Class D, ISO/IEC 11801:2017 Class D
- EN50173 Category 5E, EN50288-3-1, EN50173-1 Category 5E
- IEC61156-5
- UL444, NEC800
- NEMAWC63.1 ICEAS-90-661 Category 5E, NEMA WC 63.1, ASTM D 4566-98.
- RoHS Compliant
- ANSI/TIA-568.2-D Category 5E

## TEMPERATURE

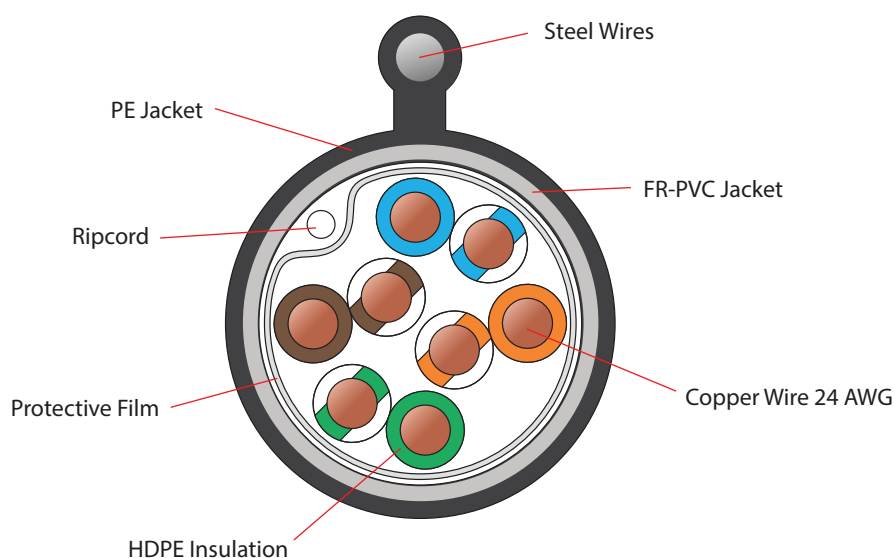
Installation - 40 °C to 75 °C

Operating - 40 °C to 75 °C

Storage - 40 °C to 80 °C



L-UO5-DW-DJ



## CONSTRUCTION OF CABLE

Conductor	Material	Solid bare copper (BC)
	Diameter	24 AWG (0.51 mm)
Insulation	Material	HDPE (High Density Polyethylene)
	Diameter	0.90 ± 0.5 mm.
Inner jacket	Material	FR-PVC Grey Color
	Thickness	1.0 ± 0.2 mm
	Diameter	5.1 mm.
Outer jacket	Material	PE Black Color , Lead free
	Thickness	5.5 ± 0.2 mm
Messenger Wire	Material	Galvanize Steel Wire
	Diameter	1.3 mm.
Ripcord	Under jacket	
Pair Colors	Pair1 White/Blue-Blue	
	Pair2 White/Orange-Orange	
	Pair3 White/Green-Green	
	Pair4 White/Brown-Brown	
Diameter	6.3 ± 0.2 mm.	

## ELECTRICAL CHARACTERISTICS & PHYSICAL PROPERTY

Impedance	100+/-15Ω ,1MHz to 350 MHz
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 @ 350MHz
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
Tensile Strength	16.5 MPa or 2400 PSI

## TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	INSERTION LOSS (dB/100)	ARC MIN (dB)	NEXT MIN. (dB)		PSNEXTMIN. (dB)		ELFEXTMIN. (dB/100)		PS. ELFEXT MIN. (dB/100)		RL MIN. (dB)	
			min	nom	min	nom	min	nom	min	nom	min	nom
	Max		min	nom	min	nom	min	nom	min	nom	min	nom
1	1.7	75	66	84	63	77	64	85	61	77	20	36
4	3.6	-	57	75	54	68	52	75	49	66	23	40
8	5.1	-	52	71	49	64	46	69	43	60	24	37
10	5.7	-	51	69	48	62	44	67	41	58	25	35
16	7.3	-	48	64	45	59	40	62	37	54	25	37
20	8.3	-	46	62	43	58	38	60	35	52	25	37
25	9.3	46.5	45	61	42	55	36	57	33	49	24	37
31.25	11.1	44.3	43	60	40	54	34	54	31	46	23	35
62.5	17.0	34.6	39	56	36	50	28	48	25	41	21	35
100	15.0	30.4	36	52	33	47	24	44	21	36	20	33
155	19.3	18.7	-	51	-	44	-	40	-	32	-	27
200	23.7	14	-	48	-	41	-	38	-	30	-	26
250	27.5	8.2	-	45	-	38	-	36	-	28	-	26
350	37.4	42	-	42	-	39	-	32	-	25	-	25

## ORDER INFORMATION

PRODUCT	PART NUMBER
Cat5e UTP Cable, Outdoor Drop Wire , Double Jacket, 24AWG, 350MHz	L-U05-DW -DJ