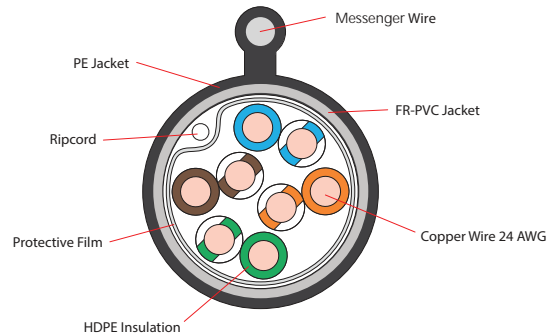
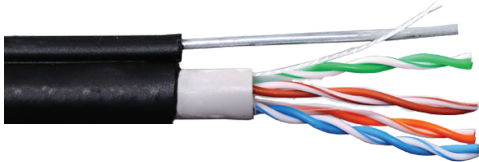


CAT5E UTP Cable

Outdoor Dropwire Double Jacket UTP, 24AWG



High-Performance Data Cable. Outdoor UV Rated Jacket. Self-supporting. 4 twisted-Pair cable, Using solid bare copper conductor 24 AWG, insulated with HDPE Jacket and messenger wire

Application

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, 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-D.2 Category 5E, ANSI-TIA/EIA-568-C.2 Category 5E, ISO/IEC 11801:2002 Class D, ISO/IEC 11801:2017 Class D, EN 50173 Category 5E, EN 50288-3-1, EN 50173-1 Category 5E, IEC61156-5, ICEA-S-90-661 Category 5E, UL444, NEC800, NEMAWC63.1 ICEAS-90-661 Category 5E, NEMA WC 63.1, ASTM D 4566-98, RoHS Compliant

Structure Specification

Conductor	Material	Solid bare copper
	Diameter	24 AWG (0.51mm)BC
Insulation	Material	HDPE
	Diameter	0.9±0.5 mm. (Overall Diameter = 8.8 mm.)
Outer jacket	Material	PE 5.5±0.2mm ,UV Proof
Inner jacket	Material	FR-PVC 1.0±0.2 mm, 5.1 mm Diameter
Ripcord	Under jacket	
Pair Colors	Pair1 White/Blue - Blue Pair2 White/Orange - Orange Pair3 White/Green - Green Pair4 White/Brown - Brown	
Messenger Wire	Material	Galvanize Steel Wire (1.3mm Diameter)

Temperature Range

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

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Electrical & Physical Specification

Impedance	100 +/- 15 Ohms, 1 MHz to 350 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% Max.
Dielectric Strength	1kV/min
Insulation Resistance	5000 MΩ/km
Propagation Delay	536 ns/100m Max @350MHz
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	16.5 MPa (2400 PSI)

Transmission Performance

FREQUENCY (MHZ)	INSERTION LOSS (dB/100)	ACR NOM. (dB)	NEXT MIN.		PS NEXTMIN.		ELFEXTMIN.		PS. ELFEXT MIN.		RL MIN.	
			(dB)	(dB)	(dB)	(dB)	(dB/100)	(dB/100)	(dB)	(dB)		
	Max	nom	min	nom	min	nom	min	nom	min	nom	min	nom
1	1.7	80.2	66	84	63	77	64	85	61	77	20	36
4	3.6	78.3	57	75	54	68	52	75	49	66	23	40
8	5.1	67.5	52	71	49	64	46	69	43	60	24	37
10	5.7	61.4	51	69	48	62	44	67	41	58	25	35
16	7.3	54.7	48	64	45	59	40	62	37	54	25	37
20	8.3	52.3	46	62	43	58	38	60	35	52	25	37
25	9.3	49.8	45	61	42	55	36	57	33	49	24	37
31.25	11.1	47.2	43	60	40	54	34	54	31	46	23	35
62.5	17.0	37.9	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	22.1	-	51	-	44	-	40	-	32	-	27
200	23.7	16.6	-	48	-	41	-	38	-	30	-	26
250	27.5	11.3	-	45	-	38	-	36	-	28	-	26
350	37.4	2.1	-	42	-	39	-	32	-	25	-	25

Ordering Information

CAT5E UTP Cable, Outdoor Drop Wire , Double Jacket, 24AWG, 350MHz

SG-UTP5-OWD