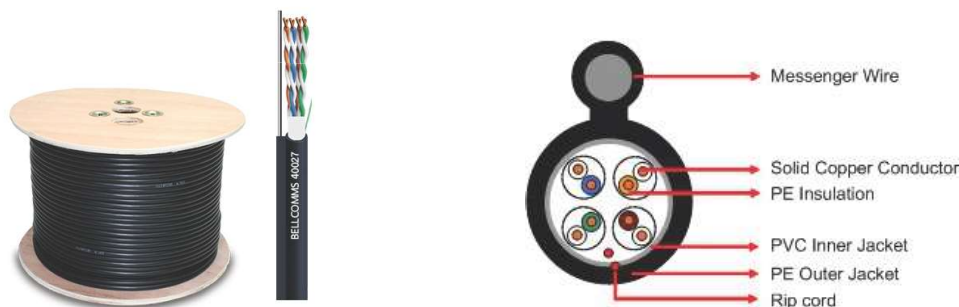


CATEGORY 5E. UTP Cable 350Mhz., PE Double Jacket w/ Messenger wire



The BELLCOMMS 350Mhz Outdoor Double Jacket for use as horizontal, vertical, aerial and underground cable in generic cabling systems. The UTP cable has solid copper conductors insulated with PE. The cable is supplied with PVC or LSFROH Jacket. All cables are approved in accordance with the most stringent test procedures. They are also 3P and ETL Verified in accordance with the following standards: ISO/IEC 11801, ANSI/TIA/EIA 568-C.2 and EN 50173

Specification	Descriptions
Application	Supports Voice, 155/622 Mbps ATM, 270 Mbps digital video, 4/16 Mbps Token Ring, 100 Mbps TP-PMD, Supports 10BASE-T Ethernet, 100BASE-TX Fast Ethernet, Supports 1000BASE-T Gigabit Ethernet, and Broadband video, 100mbps TPDDI, ISDN Broadband Video, ISDN, VoIP, POE, Analog & Digital Voice, Digital & Analog Video
Standards Compliant	TIA/EIA 568A/B Category 5E, ISO/IEC11801:2002 Class D , TIA/EIA-568A-5 CENELEC, EN50288-3-1, ICEA S-90-661, NEMA WC 63.1, EN 50173-1, UL Listed, IEC61156-5 and IEEE802.3, UL 444, RoHS Compliant
Number of Pairs	4 Pairs, 24AWG
Inner Jacket	FR PVC
Outer Jacket	PE (UV-Proof Black Polyethylene)
Rip Cord	750D
Conductor dimension	0.51mm.
Insulation diameter	0.90 mm HDPE
Insulation Color	BLUE / White-Blue, ORANGE / White-Orange, GREEN / White-Green, BROWN / White-Brown
Cable diameter	5.3 +/- 0.2 mm, FR PVC, Lead Free
Fire Classification	PVC IEC 60332-1, LSZH IEC61034, IEC60754, IEC 60332-1 LSFROH
Features :	IEC61034, IEC60754, IEC 60332-3C
Operating frequency	1 - 350 MHz
Impedance	100 +/- 15 Ohm
Mutual Capacitance max	5.6 nF/100m.
DC Resistance max Ohm	9.38 ohm/100m.
DC Resistance unbalance	2% max
AC Voltage	300 Volts
Test voltage (DC, 1min)	1kV / 1 min
Insulated Resistance	5000 MΩ/Km.
Capacitance Unbalance	160pF/100m max
Propagation Delay	536nS/100m. Max @ 350 Mhz.
Delay Skew	25 ns Max
Vp (nom %)	69 %
Nominal OD.	6.8 +/- 0.2 mm. UV-Proof, PE outdoor and 8.8 mm. Black PE outdoor messenger wire
Messenger wire	1.3 +/- 0.1 mm. Galvanized steel
Conductor	24AWG solid bare copper

Frequency	NEXT	INSERTION LOSS	RL	ACR-N	ACR-F	PS	PS	PS
MHz	MIN. (dB)	(dB/100m.)	MIN. (dB)	MIN. (dB)	MIN. (dB/100m.)	MIN. (dB)	MIN. (dB)	MIN. (dB/100m.)
1.0	77	2.0	20.0	75.0	68	75	73.0	65
25.0	56	9.5	24.3	46.5	40	54	44.5	37
31.25	55	10.7	23.6	44.3	38	53	42.3	35
62.5	50	15.4	21.5	34.6	32	48	32.6	29
100.0	47	19.8	20.1	27.2	28	45	25.2	25
155.0	44	25.3	18.8	18.7	24	42	16.7	21
200.0	43	29.0	18.0	14.0	22	41	12.0	19
250.0	41	32.8	17.3	8.2	20	39	6.2	17
300.0	40	36.6	16.8	3.4	18	38	1.4	15
350.0	39	40.0	16.3	N/A	17	37	N/A	14

Cable Properties : Minimum bending radius installed 8 x Cable Diameter, After Install 4 x Cable Diameter, Tensile strength Maximum installation 16.5 MPa (2400 PSI) Maximum tensile load, Temperature window Operation -40 °C to +75 °C, Storage -40 °C to +80 °C

Order Part Number as Below.

Part Number.	Descriptions	COLOR	FLAME TEST
40027	CAT5E. UTP Cable 350 MHz., PE Double Jacket w/ Messenger wire, 305M./reel	BLACK	CMX