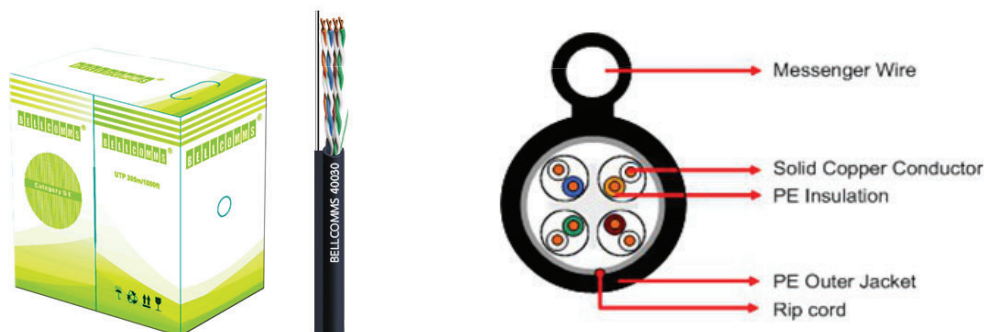


CATEGORY 5E. UTP Cable 350Mhz., PE Single Jacket w/ Messenger wire



The BELLCOMMS 350Mhz Outdoor Single 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 PE 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
Standards Compliant	ANSI/TIA/EIA 568-C.2, Category 5E, ISO/IEC 11801:2017 Class D, EN502883-1, ICEA S-90-661, EN501373, UL & cUL Listed, IEC61156-5 and IEEE802.3, RoHS Compliant.
Number of Pairs	4 Pairs, 24AWG, solid bare copper
Outer Jacket	PE (UV-Proof Black Polyethylene)
Conductor dimension	0.51mm.
Insulation diameter	0.90 mm. HDPE
Rip Cord	750D-Nylon Yarn
Insulation Color	BLUE / White-Blue, ORANGE / White-Orange, GREEN / White-Green, BROWN / White-Brown
Cable diameter OD.	5.6 +/- 0.2 mm. Black PE outdoor and 8.8 mm. Black PE outdoor messenger wire
Messenger wire	1.3 ± 0.1 mm. Galvanized steel
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 %
Conductor	24AWG, solid bare copper

Technical Specifications :

Frequency	NEXT	INSERTION LOSS	RL	ACR-N	ACR-F	PS	PS	PS
MHz	MIN. (dB)	(dB/100m.)	MIN. (dB)	MIN. (dB)	MIN. (dB/100m.)	NEXT MIN. (dB)	ACR-N MIN. (dB)	ACR-F 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
40030	CAT5E. UTP Cable 350 MHz., PE Single Jacket w/ Messenger wire, 305M./reel	BLACK	CMX