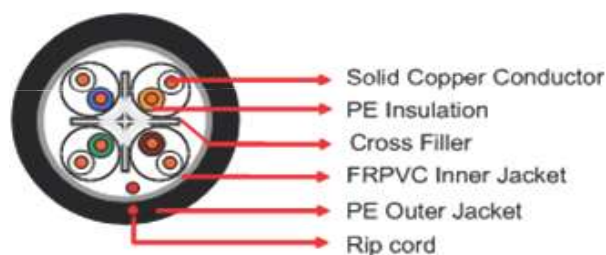


**Category 6 UTP Cable 600 Mhz., Outdoor**



The BELLCOMMS 600Mhz, Series Category 6 Cable is a superior product delivering the best network performance when used in conjunction with other BELLCOMMS Series Category 6 products.

The Cable is constructed of 4 pairs with solid and insulated copper conductors, and is UL CMR fire rated. It is designed for use in horizontal cabling and comes in a 305m (1000ft) easy pull out box.

**Application :** Supports Voice, 155/622 Mbps. ATM, 270 Mbps., Digital video, 4/16Mbps., Token Ring, 1.2Gbps., 100 Mbps., TP-PMD, Supports 10GBASE-T (IEEE 802.3an, 10Gigabit Ethernet 55m.), 10BASE-T Ethernet, 100BASE-TX Fast Ethernet, Supports 1000BASE-T Gigabit Ethernet, and Broadband video, 100mbps, TPDDI, ISDN Broadband video, ISDN, POE, VoIP, Analog & Digital Voice, Digital & Analog Video

Specification	Descriptions
Conductors	23 AWG solid bare copper (24 AWG for Patch Cable)
Insulation	HDPE (High Density Polyethylene), 0.99 mm. diameter
Filler slot	FRPE Isolator Separator
Jacket Inner	FRPVC - CMR UL/NEC, (Rating Plenum and LSZH-Flame Retardant & Low Smoke Zero Halogen Polymer Alloy : Option)
Jacket Outer	PE (UV-Proof Black Polyethylene)
Cable Diameter	7.0 +0.30 mm.
Rip Cord	750D-Nylon Yarn
Impedance	100 ohms +15% from 1 MHz to 250 MHz
Propagation delay	536 ns/100 m. max. @ 250 Mhz.
Delay Skew	40 ns/100 m. max.
DC Resistance @ 20°C	66.5 ohm/Km. max.
Mutual Capacitance	5.6 nF. max./100m
Rating Temp Voltage	75°C, 300 volts
Operating Temperature	-40°C to 75°C
Storage Temperature	-40°C to 80°C
Standard Compliant	ANSI/TIA/EIA-568-C.2, ISO/IEC11801 : 2017 Class E, EN 50173-1, IEC 61156-5, EN 50288-6-1, ICEA S-102-700, UL 444, RoHS Compliant

**Product Features :**

- Meets the latest proposed Category 6 ANSI/TIA/EIA -568-C.2 draft Standard.
- Available in BLACK sheath colors.
- 305m. (1,000ft.) or 1,000m./Reel
- Suitable for horizontal cabling
- UL CMR Fire rated for Inner Jacket.
- HDPE insulation, color coded for 4 pairs.
- PE (Polyethylene) for outer jacket.

**Customer Benefits :**

- Meets the latest proposed Category6 ANSI/TIA/EIA -568-C.2 draft Standard. This provides customers with the satisfaction of having a compliant product once Category 6 ratification is made.
- The easy pull out box allows for faster installations and ensures the prevention of any possible system degradation both cost savers to the customer

For LSZH (Low smoke zero halogen) cable, the following two options are offered for different fire retardant standard: LSZH Jacket for IEC 332-1 (OD 6.5 - 7.5 mm.) LSFROH Jacket for IEC 332-1 & IEC 332-3C (OD 7.5 - 8.5 mm.)

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	78.0	2.0	20.0	76.0	69.0	76.0	73.5	66.0
31.25	56.0	10.7	23.6	45.3	38.5	54.0	42.8	35.6
62.5	50.5	15.4	21.5	35.1	33.0	52.2	33.0	29.5
100.0	47.5	19.8	20.1	27.7	28.5	49.8	25.6	25.8
155.0	45.0	25.1	18.8	19.7	25.0	47.2	17.2	23.0
200.0	44.4	29.0	18.0	15.4	22.5	45.0	12.3	21.7
250.0	42.9	32.8	17.3	10.9	21.2	43.2	6.5	18.0
300.0	41.5	36.4	16.8	4.9	18.5	40.7	1.9	15.6
400.0	38.5	43.0	15.9	N/A	16.5	37.5	N/A	13.7
550.0	36.7	51.8	14.9	N/A	13.5	34.5	N/A	10.7
600.0	36.5	54.5	14.7	N/A	13.0	34.5	N/A	10.0

**Cable Properties :** Bending Minimum bending radius installed 4 x D Tensile strength Maximum tensile load, Tensile strength Maximum installation 9.7 MPa (1,400 PSI) Maximum tensile load, installed No stretch Temperature window Operation -40°C to +75°C, Storage -40°C to +80°C

Order Part Number as Below.

Part Number.	Descriptions
C61003	CAT6 UTP Cable 600Mhz., PE Outdoor, Double Jacket, BLACK (305M. /Reel)