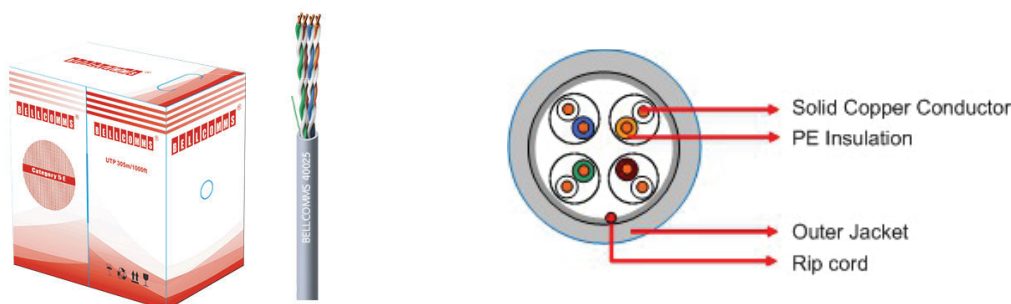


UTP CAT5E SERIES Category 5E. UTP Cable 350Mhz.



The BELLCOMMS UTP Category5E for use as horizontal cable in generic cabling systems. The UTP cable has solid copper conductors insulated with PE. The cable is supplied with CMR 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 11801:2002 Class D, ANSI/TIA/EIA 568C.2 and EN 50173-1

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

Specification	Descriptions
Conductors	24 AWG Solid Bare Copper
Insulation	CM, CMR, LSZH : HDPE, 0.96 mm. diameter
Jacket	CM, CMR : FR-PVC, CMP : FR-PVC(Low Smoke), LSZH : FR-LSZH
Cable Diameter	5.3 ± 0.20 mm.
Rip Cord	750D-Nylon Yarn
Impedance	100 ohms ± 15 Ω from 1 MHz to 350 MHz
Propagation delay	536 ns/100m. Max. @ 350 Mhz.
Delay Skew	25 ns/100m. Max.
DC Resistance	9.38 ohm. Max./ 100m.
DC Resistance, Unbalance	5% Max.
Insulated Resistance	5000 MΩ/Km.
Mutual Capacitance	5.6 nF. Max./ 100m.
Capacitance, Unbalance	160 pF. Max./ 100m.
Dielectric Strength	1kV/min

Standard Compliant : ANSI/TIA-568-C.2, Category 5E., ISO/IEC 11801 : 2017 Class D, EN 50173-1 Category 5E., EN 50288-3-1, NEMA WC 63.1, ICEA S-90-661 Category 5E., IEC 61156-5, ASTM D4566-98, IEC 60332-1-2, UL Listed CM, CMR, CMG, UL 444, RoHS Compliant.

Customer Benefits :

- Meets the latest proposed Category 5E. This provides customers with the satisfaction of having a compliant product once Category 5E 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.

Technical Specifications :

Frequency	NEXT	INSERTION LOSS	RL	ACR-N	ACR-F	PS	PS	PS
MHz	MIN. (dB)	(dB/100m.)	MIN. (dB)	MIN. (dB)	ELFEXT 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 :

Bending Minimum bending radius Installed 8 x Cable Diameter, After Installed 4 x Cable Diameter, Tensile strength 110 N (25lbf), Ultimate Breaking Strength >400 N (90lbf). Temperature window Operation -20 °C to + 60 °C, Storage -20 °C to + 80 °C

Order Part Number as Below.

Part Number.	Descriptions	COLOR	FLAME TEST
40025	CAT5E. UTP Cable 350 Mhz., (305M./Box)	WHITE	CMR