BT Cables

CAT6 XCM90 U/UTP

LAN Network

Applications

This cable is suitable for internal use of Local Area Networks and Analogue & Digital video applications

Standards

- ANSI/TIA-568-C.2
- ISO/IEC 11801 2ND edition
- EN50173-1 & EN50288-6-1
- IEC 60332-1
- RoHS 2002/95/EC

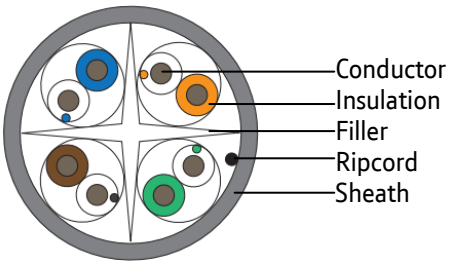
Design

1.Conductor
Solid annealed copper

2. Insulation
HDPE

3. Filler
PE

4. Sheath
PVC (RAL7035) or
LSZH (RAL4005) or
PE (RAL9017)



Standard Put-Up Length
305m

Physical Characteristics

Conductor Diameter Nom. (mm)	Insulation Diameter Nom. (mm)	Overall Diameter Nom. (mm)	Sheath Thickness (mm)	Cable Weight (Kg/Km)	Rated Temperature (°C)	Min. Bend Radius (install) (mm) **
0.54	0.93	6.20	0.60	40(35*)	-20~60	50

35* refers to PE sheathed cable, ** Ref. IEC11801 2nd Edition.

Electrical Characteristics at 20°C (part 1)

Impedance from 1MHz to 250MHz (Ω)	Max. Conductor DC Resistance (Ω/100m)	Mutual Capacitance at 1KHz (nF/100m)	Max. Pair to Ground Capacitance Unbalance (pF/100m)	Min. Insulation Resistance (MΩ*km)	Max. Resistance Unbalance (%)
100±15	9.38	5.6	330	200	2.5

Electrical Characteristics at 20°C (part 2)

Frequency (MHz)	Nominal Attenuation (dB/100m)	Minimum NEXT (dB)	Minimum PSNEXT (dB)	Minimum ELFEXT (dB)	Minimum PSELFEXT (dB)	Min. Return Loss (dB)	Maximum Time Delay (ns/100m)
1	2.2	74.3	72.3	67.8	64.8	20.0	570.0
4	4.2	65.3	63.3	55.8	52.8	23.0	552.0
8	5.8	60.8	58.8	49.7	46.7	24.5	546.7
10	6.6	59.3	57.3	47.8	44.8	25.0	545.4
16	8.4	56.2	54.2	43.7	40.7	25.0	543.0
20	9.4	54.8	52.8	41.8	38.8	25.0	542.0
25	10.5	53.3	51.3	39.8	36.8	24.3	541.2
31.25	11.8	51.9	49.9	37.9	34.9	23.6	540.4
62.5	16.9	47.4	45.4	31.9	28.9	21.5	538.6
100	21.8	44.3	42.3	27.8	24.8	20.1	537.8
200	31.9	39.8	37.8	21.8	18.8	18.0	536.5
250	36.1	38.3	36.3	19.8	16.8	17.3	536.3

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Colour Scheme

1	2	3	4
Blue + White/Blue	Orange+ White/Orange	Green+ White/Green	Brown+ White/Brown

Part Numbers

P/N	Description
BTXCM906SUN08	CAT6 U/UTP PVC GREY
BTXCM906SUZ07	CAT6 U/UTP LSZH PURPLE
BTXCM906SUP00	CAT6 U/UTP PE BLACK