

Applications

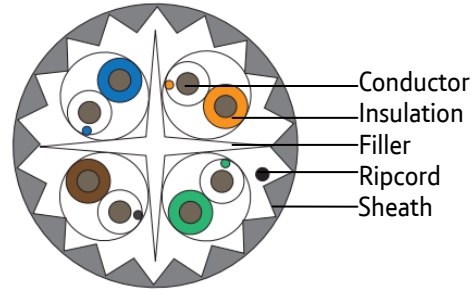
This cable is suitable for internal use of Local Area Networks and Analogue & Digital video applications

Standards

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

Design

- 1. Conductor**
Solid annealed copper
- 2. Insulation**
HDPE
- 3. Filler**
PE
- 4. Sheath**
PVC (Grey RAL7035)



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)
0.574	1.03	9.00	1.5	61	-20~60	90

Electrical Characteristics at 20°C (part 1)

Impedance from 1MHz to 100MHz (Ω)	Max. Conductor DC Resistance ($\Omega/100m$)	Mutual Capacitance at 1KHz (pF/m)	Max. Pair to Ground Capacitance Unbalance (pF/100m)	Min. Insulation Resistance ($M\Omega \cdot km$)	Max. Resistance Unbalance (%)
100 \pm 15	84	56	330	200	2.5

Electrical Characteristics at 20°C (part 2)

Frequency (MHz)	Nominal Attenuation (dB/100m)	Minimum NEXT (dB)	Minimum PSNEXT (dB)	Minimum ACRF (dB)	Minimum PSACRF (dB)	Min. Return Loss (dB)	Maximum Time Delay (ns/100m)	Minimum PsANEXT (dB)	Minimum PsAACRF (dB)
1	2.1	74.3	72.3	67.8	64.8	20.0	570.0	67.0	67.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552.0	67.0	66.2
8	5.3	60.8	58.8	49.7	46.7	24.5	546.7	67.0	60.1
10	5.9	59.3	57.3	47.8	44.8	25.0	545.4	67.0	58.2
16	7.5	56.2	54.2	43.7	40.7	25.0	543.0	67.0	54.1
20	8.4	54.8	52.8	41.8	38.8	25.0	542.0	67.0	52.2
25	9.4	53.3	51.3	39.8	36.8	24.3	541.2	67.0	50.2
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540.4	67.0	48.3
62.5	15.0	47.4	45.4	31.9	28.9	21.5	538.6	65.6	42.3
100	19.1	44.3	42.3	27.8	24.8	20.1	537.8	62.5	38.2
200	27.6	39.8	37.8	21.8	18.8	18.0	536.5	58.0	32.2
250	31.1	38.3	36.3	19.8	16.8	17.3	536.3	56.5	30.2
300	34.3	37.1	35.1	18.3	15.3	16.8	536.3	55.3	28.7
400	40.1	35.3	33.3	15.8	12.8	15.9	536.3	53.5	26.2
500	45.3	33.8	31.8	13.8	10.8	15.2	536.3	52.0	24.2

Colour Scheme

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

Part Number

P/N	Description
BTXCM906AUN08	CAT6A UTP PVC GREY