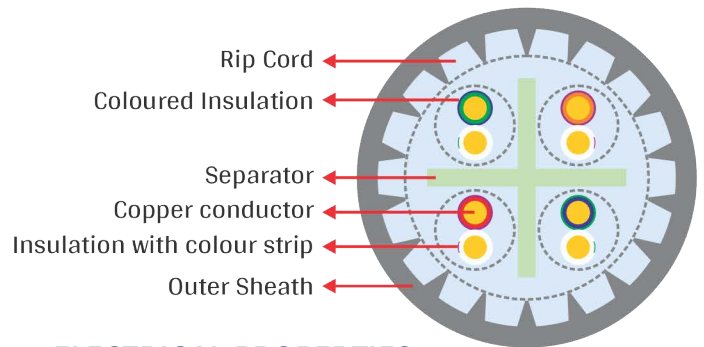


## CAT6A UTP CABLE

STRUCTURED CABLING SOLUTIONS



### APPLICATION

- Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (10GbaseT) standard. Operates at bandwidth of 500MHz.
- This cable complies to the requirements of ANSI/TIA-568-C.2 90 Meter Permanent Link.
- No Alien Cross Talk Compliance

### CONSTRUCTION

- Conductor: 23 AWG Solid bare Copper
- Insulation: High Density Polyethylene
- Pairs: 2 Insulated conductors twisted together
- Separator: Polyolefin
- Sheath: FR PVC-Corrugated jacket
- Cable Diameter: 6.5±0.3 mm

### COLOUR CODE

- PAIR NO. 1-2, Colour: White-Orange Stripe and Orange
- PAIR NO. 3-6, Colour: White-Green Stripe and Green
- PAIR NO. 4-5, Colour: White-Blue Stripe and Blue
- PAIR NO. 7-8, Colour: White-Brown Stripe and Brown

### ELECTRICAL PROPERTIES

- Conductor Resistance : 9.382/100m
- Mutual Capacitance : <5.6nF/100m
- Resistance Unbalance : 5% Max
- Capacitance Unbalance: 330pF/100m
- Delay Skew : < 45nS

### MECHANICAL PROPERTIES

- Bending Radius: < 4 X Cable Diameter (mm) at -20°C ± 1°C
- Pulling Force : 11.5Kgs

### TEMPERATURE RANGE

- Installation: 0° to +50°C
- Operation: -20° to +70°C

### CONNECTION SYSTEM

- Compatible with all common systems according to ANSI/TIA-568-C.2 and ISO/IEC 11801

### TRANSMISSION CHARACTERISTICS PER 100M

Frequency (MHZ)	Max Attenuation (dB/100M)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACR (dB)	PSACRF (dB)
1	1.9	19.1	65.0	62.0	67.8	64.8
4	3.5	21.0	64.1	61.8	55.8	52.8
10	5.5	21.0	54.6	55.5	47.8	44.8
16	7.0	20.0	53.1	52.2	43.7	40.7
20	7.8	19.5	50.0	50.7	41.8	38.8
31.25	9.8	18.5	50.0	47.5	37.9	34.9
62.5	14.0	16.0	45.1	42.7	31.9	28.9
100	18.0	14.0	41.8	39.3	27.8	24.8
200	26.1	11.0	36.9	34.3	21.8	18.8
250	29.5	10.0	35.3	32.7	19.8	16.8
300	32.7	9.2	34.0	31.4	18.3	15.3
500	43.8	8.0	26.7	23.8	13.8	10.8

#### PRODUCT NO.

W23CT6A305-GR

#### DESCRIPTION

CAT6A UTP Cable - 305M / Roll  
or as per Customer Request

#### COLOR

Light Grey - RAL 7036 or  
as per customer request