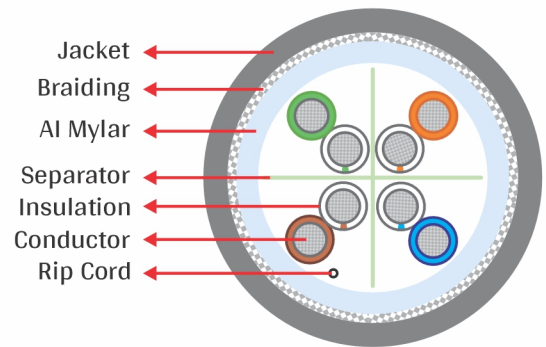


CAT6A SF/UTP CABLE

STRUCTURED CABLING SOLUTIONS



APPLICATION

- For Data Center Applications
- High bandwidth @ 500 MHZ
- 4 Pair 23 AWG
- FR PVC JACKET / LSZH JACKET
- High speed transmission of Voice, Video and Data on LAN
- Complies to ANSI/TIA 568-C.2 Cat 6A, ISO/IEC 11801 EA, ISO/IEC 60332-1

MECHANICAL PROPERTIES

- Conductor: 23 AWG Solid Bare Copper
- Central Separator: PE Cross Separator
- Insulation: High Density Polyethylene
- Solid Pairs: 4 Pairs Twisted together
- Cable Diameter: 10.0 ± 0.5 mm
- Shielding: Al Mylar
- Braiding: ATC Braiding, ATC Drain wire
- Rip cord: Nylon Rip cord
- Outer Jacket: LSZH Sheath / FR PVC Sheath
- Bending Radius: 4 X OD at 20°C, Pulling Force: 25 lbs
- Installation Temperature: (0°C to +50°C)

CONNECTION SYSTEM

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

ELECTRICAL PROPERTIES

- Conductor Resistance: 9.2 Ω /100 Mtr max
- Mutual Capacitance: 5.6 nF for 100 Mtr
- Resistance Unbalance (%): max 5
- Capacitance Unbalance: 330 pF for 100 Mtr
- Delay Skew: 48 ns/100 Mtr
- Propagation Delay: < 542 ns/100 Mtr
- NVP: 69%
- Current Rating: max 1.5 A
- Operating Voltage: 72 V
- Dielectric Strength: 1000 V RMS
- Insulation Resistance: 100 M Ω

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

TEMPERATURE RANGE

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

TRANSMISSION CHARACTERISTICS PER 100M

FREQUENCY IN MHZ	ATTENUATION (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	RETURN LOSS (dB)
1	2.03	74.30	72.30	67.80	64.80	20.0
10	5.95	59.30	57.30	47.80	44.80	25.0
25	9.65	53.33	51.34	39.84	36.83	24.32
62.5	15.46	47.36	45.32	31.88	28.88	21.54
100	19.9	44.30	42.28	27.8	24.76	20.11
250	32.9	38.33	36.33	19.84	16.84	17.32
500	48.90	33.82	31.82	13.80	10.82	15.21

PRODUCT NO.

W23CT6ASFTP305-GR

DESCRIPTION

CAT6A SF/UTP Cable - Wooden drum of 305M length or 100M, 500M & 1000M on request

COLOR

Light Grey - RAL 7036 or as per customer request