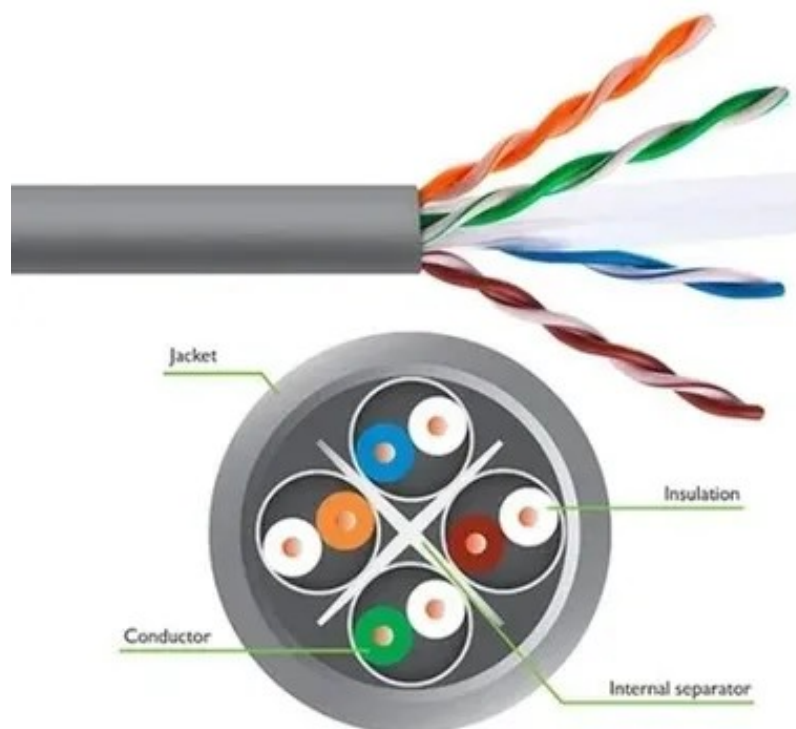


CAT6 UTP 23AWG
MODEL: ASI-UC6-3CA



Internal Construction Diagram



AANAGH Cat6 UTP Cable 23AWG solution is guaranteed to international specifications as set down by international standards. Our, CAT6 solution offers a complete range including patch panels, RJ45 connectors, patch cords, faceplates, and backbox. When combined together it maximizes data throughput and provides enough headroom for all future technologies operating beyond one Gigabit.

Conductor Resistance: Gigabit Ethernet (1000 Base-T) standard. Operates at a bandwidth up to 250 Mhz. backward compatible to Cat5e applications

Features:

- Comply with Cat6 specifications

- International standard twisting
- Made with solid bare electrolytic grade copper
- 4-pair unshielded twisted pair (UTP) cable
- 23 AWG solid copper conductor for superior conductivity
- High-Density Polyethylene Solid (HDPE) insulation
- Available in FR-PVC
- ISO-9001, CE, RoHS Certified
- Fluke test passed
- Packaged in an easy-to-pull box for easier installation
- 100% made in India

Specifications :

- **Bending Radius:** < 4 X Cable Diameter at $-20^{\circ}\text{C} \pm 1^{\circ}\text{C}$
- **Pulling Force:** 11.5kg
- **Temperature Range:** -20° to $+70^{\circ}\text{C}$
- **Category:** 6 UTP Solid cable
- **Conductor :** 23 AWG (Solid) $0.555 \pm 0.01\text{mm}$
- **Conductor Metal:** EC Grade Bare Copper
- **Insulation Material:** High-Density Polyethylene Solid
- **Sheath:** FR-PVC
- **RipCord:** Yes
- **Sequential Marking:** At every meter
- **Pairs:** 2 Insulated conductors twisted together
- **OD:** $6.1\text{mm} \pm 0.2$
- **Pair Setup:**
 1. Pair: 1-2: White-Orange Stripe and Orange
 2. Pair: 3-6: White-Green Stripe and Green
 3. Pair 4-5: White-Blue Stripe and Blue
 4. Pair 7-8: White-Brown Stripe and Brown

Electrical Parameters :

- **Conductor Resistance:** $93.5\Omega/1000\text{ mtr}$ @ 20°c Max.
- **Resistance Unbalance :** 5% Max.
- **Capacitance Unbalance :** $330\text{pF}/100\text{m}$
- **Mutual Capacitance:** $5.6\text{ nf}/100\text{ mtr}$ Max.

- **NVP:** 69%
- **Impedance:** $100 \pm 15\% \Omega$
- **Worst cable skew:** 45ns/100 mtr

Certifications :

- **CE:** Yes
- **RoHS:** Yes
- **ISO-9001:** Yes

Color Options: Default Gray (Optional: Orange, Red, Green, Yellow, Blue, Purple)

Size Options: Available in 305 meters and 100-meter packing.

HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (MHz)	ATT (dB/100m) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB@100M)
1	2.1	65	62	
4	4	63	60.5	
8	5.7	58.2	55.6	
10	6.3	56.6	54	
16	8	53.2	50.6	
20	9	51.6	49	
25	10.1	50	47.3	
31.25	11.4	48.4	45.7	
62.5	16.5	43.4	40.6	
100	21.3	39.9	37.1	
200	31.5	34.8	31.9	
250	35.9	33.1	3.02	

ORDERING INFORMATION

Part Code	Cable Type	Color	Discription
ASI-UC6-3CA-AA97	FR-PVC	Light Gray	CAT6 UTP Cable 305mtr
ASI-UC6-3CA-AA98	LSZH	Light Gray	CAT6 UTP Cable 305mtr
ASI-UC6-3CA-AA99	PVC	Light Gray	CAT6 UTP Cable 305mtr
ASI-UC6-3CA-BB23	FR-PVC	Light Gray	CAT6 UTP Cable 100mtr

Note: Optional Col;or also available against order (Green, Yellow, Purple, Orange, Blue)