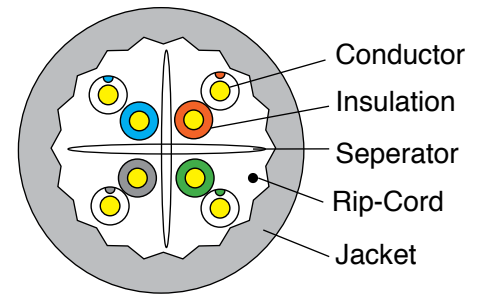
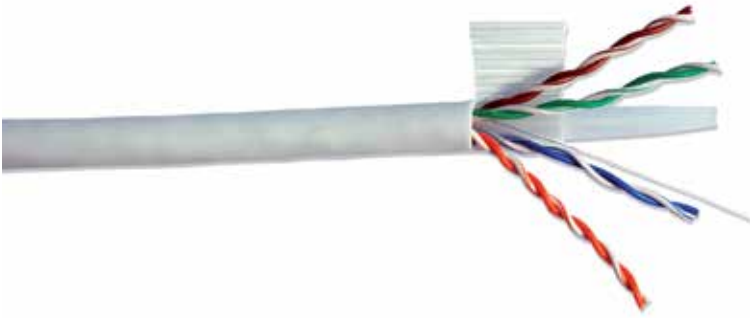


# U/UTP CAT6A CABLE



## ITEM NO.

- 6A U/UTP AWG23

## TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

## CONDUCTOR

### MATERIAL

- Solid Bare Copper

### NOM.O.D.

- $0.575 \pm 0.003$ mm

## INSULATION

### MATERIAL

- HDPE

### NOM.O.D.

- $1.05 \pm 0.03$ mm

## JACKET

### THICKNESS

- $0.70 \pm 0.05$ mm

### EXTERNAL O.D.

- $7.5 \pm 0.3$ mm

### MATERIAL

- PVC
- LSZH
- PE

### COLOR

- According to Requires

## ELECTRICAL CHARACTERISTICS (20)

- |                                  |              |
|----------------------------------|--------------|
| • Impedance( $\Omega$ )          | 100 $\pm$ 15 |
| • Delay Shew(ns/100m)            | $\leq$ 45    |
| • NVP                            | 69%          |
| • Capacitance(nf/100m)           | $\leq$ 5.6   |
| • DC Resistance( $\Omega$ /100m) | $\leq$ 9.5   |
| • DC Conductor Resistance        | $\leq$ 5.0   |
| Unbalance(%)                     |              |

## RIP-CORD

- Yes

## DRAIN WIRE

- No

## PACKING

### WOODEN REEL & CARTON



### DIMENSION

35\*35\*36cm

### LENGTH

305 $\pm$ 1.5m

### PALLET



# U/UTP CAT6A CABLE

## TECHNICAL PERFORMANCE(100M):

| FREQUENCY<br>(MHz) | RL<br>≥dB | ATT(20)<br>≤dB | NEXT<br>≥dB | PSNET<br>≥dB | ACR-F<br>≥dB | PS ACR-F<br>≥dB | PS ANEXT<br>≥dB | PS AACR-F<br>≥dB |
|--------------------|-----------|----------------|-------------|--------------|--------------|-----------------|-----------------|------------------|
| 1.0                | 20.0      | 2.1            | 74.3        | 72.3         | 67.8         | 64.8            | 67.0            | 67.0             |
| 4.0                | 23.0      | 3.8            | 65.3        | 63.3         | 55.8         | 52.8            | 67.0            | 66.2             |
| 10.0               | 25.0      | 5.9            | 59.3        | 57.3         | 47.8         | 44.8            | 67.0            | 58.2             |
| 16.0               | 25.0      | 7.5            | 56.2        | 54.2         | 43.7         | 40.7            | 67.0            | 54.1             |
| 20.0               | 25.0      | 8.4            | 54.8        | 52.8         | 41.8         | 38.8            | 67.0            | 52.2             |
| 31.25              | 23.6      | 10.5           | 51.9        | 49.9         | 37.9         | 34.9            | 67.0            | 48.3             |
| 62.5               | 21.5      | 15.0           | 47.7        | 45.4         | 31.9         | 28.9            | 65.6            | 42.3             |
| 100                | 20.1      | 19.1           | 44.3        | 42.3         | 27.8         | 24.8            | 62.5            | 38.2             |
| 200                | 18.0      | 27.6           | 39.8        | 37.8         | 21.8         | 18.8            | 58.0            | 32.2             |
| 250                | 17.3      | 31.1           | 38.3        | 36.3         | 19.8         | 16.8            | 56.5            | 30.2             |
| 300                | 16.8      | 34.3           | 37.1        | 35.1         | 18.3         | 15.3            | 55.3            | 28.7             |
| 500                | 15.2      | 45.3           | 33.8        | 31.8         | 13.8         | 10.8            | 52.0            | 24.2             |

## JACKET PHYSICAL PROPERTIES

### JACKET

| AGING       |                  |             |             | COLD BEND         |              |
|-------------|------------------|-------------|-------------|-------------------|--------------|
| ITEM        | Aging Period     |             | 100°*24H*7D | COLD PERIOD       | -20±2°C*4H   |
|             | Before Aging     | After Aging |             | Bend Radius       | 8*Cable O.D. |
| <b>PVC</b>  | Tensile Strength | ≥13.5 Mpa   | ≥12.5 Mpa   | No Visible Cracks |              |
|             | Elongation       | ≥150 %      | ≥125 %      |                   |              |
| <b>LSZH</b> | Tensile Strength | ≥10.0 Mpa   | ≥8.0 Mpa    | No Visible Cracks |              |
|             | Elongation       | ≥125%       | ≥100%       |                   |              |
| <b>PE</b>   | Tensile Strength | ≥10.0 Mpa   | ≥8.0 Mpa    | No Visible Cracks |              |
|             | Elongation       | ≥350 %      | ≥350 %      |                   |              |

### P/N

### DESCRIPTION

|             |                                 |
|-------------|---------------------------------|
| UU6A.57.PV  | Cat6A U/UTP AWG23 PVC jacket    |
| UU6A.57.LS  | Cat6A U/UTP AWG23 LSZH jacket   |
| UU6A.57PE   | Cat6A U/UTP AWG23 PE jacket     |
| UU6A.57PVPE | Cat6A U/UTP AWG23 PVC+PE jacket |

Special Jacket according with customer needs