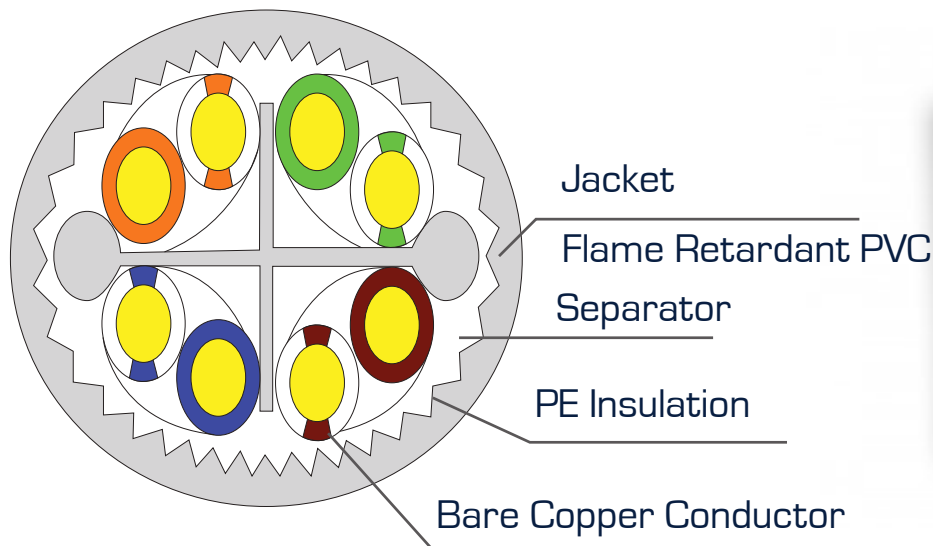
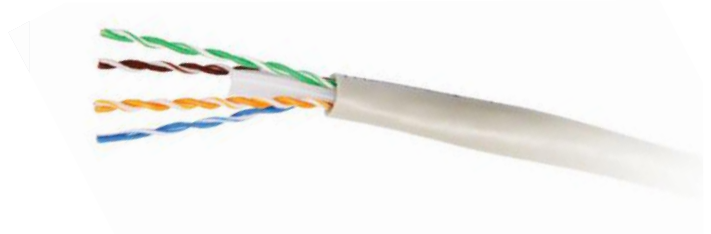


## CAT6A UTP UNSHIELDED 10G CABLE ROLL - 500MHZ

### CONFIGURATION:

- Category 6A+ UTP horizontal solid cable, 23 AWGx4P, LSZH Jacket.
- Supplied on a reel in a box.
- NVP: 74%



### PRODUCT SPECIFICATIONS

| MODEL CODE      | CONDUCTOR | COLOUR | LENGTH |
|-----------------|-----------|--------|--------|
| NCC6ALSZHGREY   | Solid     | Grey   | 305M   |
| NCC6ALSZHBLUE   | Solid     | Blue   | 305M   |
| NCC6ALSZHGREEN  | Solid     | Green  | 305M   |
| NCC6ALSZHYELLOW | Solid     | Yellow | 305M   |

# CAT6A UTP UNSHIELDED 10G CABLE ROLL - 500MHZ

|  |   |                                 |         |
|--|---|---------------------------------|---------|
| <b>Test Standard</b>                     | ISO/IEC11801 - TIA-568-C.2 YD/T1019-      |                                 |         |
| <b>Conductor</b>                         | Material                                  | Solid-Bare Copper               |         |
|  | Nom.O.D.(mm)                              | 0.565                           | +0.005  |
|  |   |                                 | - 0.005 |
| <b>Insulation</b>                        | Material                                  | HDPE                            |         |
|  | Diameter                                  | 1.02±0.03mm                     |         |
| <b>Sheath</b>                            | Thickness                                 | 0.70±0.05 mm (Avg.)             |         |
|  | External O.D.                             | 7.1±0.4 mm                      |         |
|  | Surface                                   | Clean, Frap, Satiation          |         |
|  | Material                                  | LSZH Jacket                     |         |
|  | Color                                     | Multiple                        |         |
| <b>Surface Printing</b>                  | Letter height                             | Multiple                        |         |
|  | Color                                     | 3.0±0.3mm                       |         |
|  | Print error & Space                       | Black                           |         |
| <b>Core Color</b>                        | 1 White- Blue /Blue                       | 2 White-Orange /Orange          |         |
|  | 3 White-Green /Green                      | 4 White- Brown /Brown           |         |
| <b>Packing length</b>                    | 305±1.5m                                  |                                 |         |
| <b>Rip-cord</b>                          | Yes                                       |                                 |         |
| <b>Drain wire</b>                        | No  |                                 |         |
| <b>Sheath Physical Properties</b>        | Before Aging Tensile Strength (Mpa)       | ≥10.0                           |         |
|  | Elongation(%)                             | ≥125                            |         |
|  | Aging Period (°C x hrs)                   | 100°C x 24h x 7d                |         |
|  | After Aging Tensile Strength(Mpa)         | ≥8.0                            |         |
|  | Elongation(%)                             | ≥100                            |         |
|  | Cold bend(-20±2°Cx4h)                     | 8x Cable O.D. No visible cracks |         |
| <b>Electrical Characteristics (20°C)</b> | 1.0-500.0MHz Impedance (Ω)                | 100±15                          |         |
|  | 1.0-500.0MHz Delay Shew (ns/100m)         | ≤45                             |         |
|  | DC Resistance (Ω/100m) max                | 9.38                            |         |
|  | DC Conductor Resistance Unbalance (%) max | 5.0                             |         |

## ELECTRICAL PERFORMANCE:

| Freq (MHz) | PSNEXT $\geq$ dB | ELFEXT $\geq$ dB | PSELFEXT $\geq$ dB |
|------------|------------------|------------------|--------------------|
| 1          | 72.3             | 67.8             | 64.8               |
| 4          | 63.3             | 55.8             | 52.8               |
| 8          | 48.8             | 49.7             | 46.7               |
| 10         | 57.3             | 47.8             | 44.8               |
| 16         | 54.2             | 43.7             | 40.7               |
| 20         | 52.8             | 41.8             | 38.8               |
| 25         | 41.3             | 39.8             | 36.8               |
| 31.25      | 49.9             | 37.9             | 34.9               |
| 62.5       | 45.4             | 31.9             | 28.9               |
| 100        | 42.3             | 27.8             | 24.8               |
| 200        | 37.8             | 21.8             | 18.8               |
| 250        | 36.3             | 19.8             | 16.8               |
| 300        | 35.1             | 18.3             | 15.3               |
| 500        | 31.8             | 13.8             | 10.8               |

| Freq (MHz) | RL $\geq$ dB | ATT $\leq$ dB | NEXT $\geq$ dB | DELAY $\leq$ ns |
|------------|--------------|---------------|----------------|-----------------|
| 1          | 20.0         | 2.1           | 74.3           | 570.0           |
| 4          | 23.0         | 3.8           | 65.3           | 552.0           |
| 8          | 24.5         | 5.3           | 60.8           | 546.7           |
| 10         | 25.0         | 5.9           | 59.3           | 545.4           |
| 16         | 25.0         | 7.5           | 56.2           | 543.0           |
| 20         | 25.0         | 8.4           | 54.8           | 542.1           |
| 25         | 24.3         | 9.4           | 53.3           | 541.2           |
| 31.25      | 23.6         | 10.5          | 51.9           | 540.4           |
| 62.5       | 21.5         | 15.0          | 47.4           | 538.6           |
| 100        | 20.1         | 19.1          | 44.3           | 537.6           |
| 200        | 18.0         | 27.6          | 39.8           | 536.5           |
| 250        | 17.3         | 31.1          | 38.3           | 536.3           |
| 300        | 16.8         | 34.3          | 37.1           | 536.1           |
| 500        | 15.2         | 45.3          | 33.8           | 535.6           |