



### Construction:

- 1 – Jacket
- 2 – Twisted pair
- 3 – Spacer
- 4 – Ripcord

### Description:

Unshielded copper cable, 4 pairs, category 6, solid. Four unshielded twisted pairs (UTP), with a special star shaped central filler cabled together. Cable is used for indoor installation.

Meets: ISO/IEC11801, TIA/EIA-568-C.2.

### Materials:

Conductive material: Solid Bare copper

Conductor insulation: HDPE

Plastic Separator: FRPE

The cable jacket: White FR-LSZH (RoHS Complied)

Fire Rating: CPR Class Dca-s2, d2, a1 (EN 50575)

### Technical characteristics:

Conductor diameter:  $0.55 \pm 0.005$  mm (23 AWG)

Insulated conductor diameter:  $0.98 \pm 0.05$  mm

Jacket thickness:  $0.80 \pm 0.2$  mm

Outer cable diameter:  $6.5 \pm 0.4$  mm

Installation temperature:  $0^{\circ}\text{C} - +50^{\circ}\text{C}$

Operating temperature:  $-20^{\circ}\text{C} - +60^{\circ}\text{C}$

Standard package: 305 m, Carton Box

### Electrical characteristics:

| FREQUENCY (MHz) | RL $\geq$ dB | ATT $\leq$ dB | NEXT $\geq$ dB | DELAY $\leq$ ns | IMPEDANCE (OHMS) | PSNEXT $\geq$ dB | ELFEXT $\geq$ dB | PSELFEXT $\geq$ dB |
|-----------------|--------------|---------------|----------------|-----------------|------------------|------------------|------------------|--------------------|
| 1               | 20.0         | 2.03          | 74.3           | 570.00          | 100 $\pm$ 15     | 72.3             | 67.8             | 64.8               |
| 4               | 23.0         | 3.78          | 65.3           | 552.00          | 100 $\pm$ 15     | 63.3             | 55.8             | 52.8               |
| 8               | 24.5         | 5.32          | 60.8           | 546.73          | 100 $\pm$ 15     | 58.8             | 49.7             | 46.7               |
| 10              | 25.0         | 5.95          | 59.3           | 545.38          | 100 $\pm$ 15     | 57.3             | 47.8             | 44.8               |
| 16              | 25.0         | 7.55          | 56.2           | 543.00          | 100 $\pm$ 15     | 54.2             | 43.7             | 40.7               |
| 20              | 25.0         | 8.47          | 54.8           | 542.05          | 100 $\pm$ 15     | 52.8             | 41.8             | 38.8               |
| 25              | 24.3         | 9.51          | 53.3           | 541.20          | 100 $\pm$ 15     | 51.3             | 39.8             | 36.8               |
| 31.25           | 23.6         | 10.67         | 51.9           | 540.44          | 100 $\pm$ 15     | 49.9             | 37.9             | 34.9               |
| 62.5            | 21.5         | 15.38         | 47.7           | 538.55          | 100 $\pm$ 15     | 45.4             | 31.9             | 28.9               |
| 100             | 20.1         | 19.80         | 44.3           | 537.60          | 100 $\pm$ 15     | 42.3             | 27.8             | 24.8               |
| 200             | 18.0         | 28.98         | 39.8           | 536.54          | 100 $\pm$ 15     | 37.8             | 21.8             | 18.8               |
| 250             | 17.3         | 32.85         | 38.3           | 536.27          | 100 $\pm$ 15     | 36.3             | 19.8             | 16.8               |