



### Construction:

- 1 – Outer Jacket
- 2 – Inner Jacket
- 3 – Shield-braid
- 4 – Aluminium/Mylar Foil
- 5 – Drain wire
- 6 – Twisted pair
- 7 – Rip-cord

### Description:

Shielded Copper cable, 4 pairs, category 5e, solid  
 Shield: aluminum foil and wire braid. Cable is used for outdoor installation.  
 Meets: ISO/IEC11801, TIA-568C.2

### Materials:

Conductive material: wire made of soft annealed electrolytic copper.  
 Conductor insulation: HDPE.  
 The cable jacket: Inner White PVC, Outer Black LDPE (complies RoHS)

### Technical characteristics:

Conductor diameter:  $0.50 \pm 0.005$  mm (24 AWG)  
 Insulated conductor diameter:  $1.00 \pm 0.03$  mm  
 Shield: Aluminum foil and Tinned Copper 16/4/0.10 wire braid 40%  
 Jacket thickness: Inner - 0.55 mm, Outer -  $0.55 \pm 0.1$  mm  
 Outer cable diameter:  $7.8 \pm 0.5$  mm  
 Installation temperature:  $-10^{\circ}\text{C} - +60^{\circ}\text{C}$   
 Operating temperature:  $-40^{\circ}\text{C} - +70^{\circ}\text{C}$   
 Standard package: 500 m, Wooden Reel

### 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         | 2.0           | 65.3           | 570.00          | 100 $\pm$ 15     | 62.3             | 63.8             | 60.8               |
| 4               | 23.0         | 4.1           | 56.3           | 552.00          | 100 $\pm$ 15     | 53.3             | 51.8             | 48.8               |
| 8               | 24.5         | 5.8           | 51.8           | 546.73          | 100 $\pm$ 15     | 48.8             | 45.7             | 42.7               |
| 10              | 25.0         | 6.5           | 50.3           | 545.38          | 100 $\pm$ 15     | 47.3             | 43.8             | 40.8               |
| 16              | 25.0         | 8.2           | 47.2           | 543.00          | 100 $\pm$ 15     | 44.4             | 39.7             | 36.7               |
| 20              | 25.0         | 9.3           | 45.8           | 542.05          | 100 $\pm$ 15     | 42.8             | 37.8             | 34.8               |
| 25              | 24.3         | 10.4          | 44.3           | 541.20          | 100 $\pm$ 15     | 41.3             | 35.8             | 32.8               |
| 31.25           | 23.6         | 11.7          | 42.9           | 540.44          | 100 $\pm$ 15     | 39.9             | 33.9             | 30.9               |
| 62.5            | 21.5         | 17.0          | 38.4           | 538.55          | 100 $\pm$ 15     | 35.4             | 27.9             | 24.9               |
| 100             | 20.1         | 22.0          | 35.3           | 537.60          | 100 $\pm$ 15     | 32.3             | 23.8             | 20.8               |