



TINMAR INVER



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U/UTP CAT 6 EXTERIOR DATASHEET

Description:

U/UTP unshielded cable featuring copper conductors and a PE cross separator. It is engineered to support transmission frequencies up to 300 MHz in 1 Gbps networks. According to TIA/EIA standards for distances up to 100 meters. This cable is suitable for outdoor use.

CPR: Fca

Reference Numbers:

002-3006770 U/UTP Cat 6 EXTERIOR

Standards and Compliance:

- TIA/EIA 568-c
- ISO/IEC 11801
- IEC/61156-5
- EN 50288-6
- EN 50173
- EN 61156-5
- RoHS Compliant



PHYSICAL CHARACTERISTICS:

Conductor: Class 1 Solid Copper (IEC 60228)

- **Diameter:** 0.56 mm (AWG23)

Insulation: Solid Polyethylene

- **Color:** Blue, White; Brown, White; Green, White; Orange, White
- **Core Diameter:** 1.04 mm

Jacket: UV Stabilized LSZH Polyethylene

- **Color:** Black

Overall Diameter: 6.1 mm

Format: Coils or Wooden Drums

ELECTRICAL CHARACTERISTICS:

Capacitance: At 800 Hz - 43 nF/Km

Pair to Ground Unbalance: < 1500 pF/Km

Characteristic Impedance: 100 Ω

Test Voltage: (1 min, DC): Core/Core, Core/Shield 1000V

Conductor Resistance: <165 Ω/Km

Insulation Resistance: 500V

FREQUENCY	ATTENUATION	NEXT	FEXT	RETURN LOSS
10 Mhz	6.0 dB	60 dB	57 dB	25 dB
20 Mhz	8.5 dB	56 dB	41 dB	25 dB
62.5 Mhz	15.5 dB	48 dB	31 dB	22 dB
10 Mhz	19.9 dB	45 dB	27 dB	20 dB
10 Mhz	22.5 dB	44 dB	25 dB	19 dB
10 Mhz	29.2 dB	41 dB	21 dB	18 dB
10 Mhz	33 dB	39 dB	19 dB	17 dB

