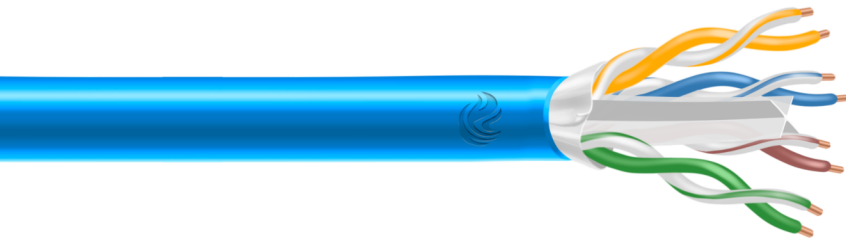




# TINMAR INVER



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## CPR: Dca, -s2, d2, a1

Reference Number:

002-3006705 U/UTP Cat 6a

Standards and Compliance:

- EN 50399
- EN 50173-1
- EN 50288-11-1
- ISO/IEC 11801
- IEC 61156-5
- IEC 60332-1
- IEC 60754-2
- RoHS Compliant

## U/UTP CAT 6a DATASHEET

### Description:

U/UTP cable with copper conductors and a PE cross separator (spline). It is designed to support transmission frequencies up to 300 MHz in 1 Gbps networks, in accordance with ANSI/TIA/EIA standards for distances up to 100 meters.



### PHYSICAL CHARACTERISTICS:

**Conductor:** Class 1 Solid Copper (IEC 60228)

- **Diameter:** 0.57 mm (AWG23)

**Insulation:** LSZH EVA Polyolefin

- **Color:** Blue, White; Brown, White; Green, White; Orange, White
- **Core Diameter:** 1.4 mm

**Jacket:** LSZH Polyolefin

- **Color:** Blue

**Overall Diameter:** 7.7 mm

**Format:** Coils or Wooden Drums

### ELECTRICAL CHARACTERISTICS:

**Capacitance:** 48 nF/Km

**Characteristic Impedance:** 100 Ω

**Conductor Resistance:** 5.000 MΩ/Km

FREQUENCY	ATTENUATION	NEXT	FEXT	RETURN LOSS
10 Mhz	6.5 dB	56 dB	43.2 dB	19 dB
20 Mhz	9.3 dB	51 dB	37.2 dB	19 dB
62 Mhz	16.9 dB	44 dB	27.2 dB	14 dB
100 Mhz	23.1 dB	37 dB	36 dB	11 dB
125 Mhz	24.5 dB	35 dB	35.2 dB	12 dB
200 Mhz	31.7 dB	34 dB	34.8 dB	9 dB
250 Mhz	36 dB	33 dB	33.1 dB	8 dB

