

# Specifications

## Compliance:

---

- » ANSI/TIA-568-C.2 CAT.6; ISO/IEC 11801 CLASS E
- » Flame retardant according to: IEC 60332-1-2
- » RoHS per EU Directive 2002/95/EC
- » Listed: UL/cUL

## Construction:

---

- » Conductor: Copper; Size Bare: 23AWG
- » Insulation: Foam-Skin PE; Thickness Nominal: 0.414 mm; Diameter Nominal: 1.387 mm; Colors: Blue/White, Orange/White, Green/White, Brown/White; Unaged Elongation: Min. 100%; Unaged Tensile Strength: Min. 0.816 Kg/mm<sup>2</sup>
- » Screen: Aluminum-Mylar tape and tinned copper braid
- » Jacket: Flame Retardant PVC; Thickness Nominal: 0.5 mm; Diameter Nominal: 7.2 mm; Color: Blue; Unaged Elongation: Min. 100%; Unaged Tensile Strength: Min. 1.407 Kg/mm<sup>2</sup>; Aging at 100°C for 168 Hrs: Min. elongation retention: 50%, Min. tensile strength retention: 75%

## Electrical:

---

- » Dielectric Strength of Insulation: 1500 V dc 1 2 seconds
- » Insulation Resistance Test: Min. 5000 M $\Omega$ ·Km
- » Conductor Resistance: Max. 9.38  $\Omega$ /100m at 20°C
- » Resistance Unbalance: Max. 2%
- » Capacitance Unbalance: Max. 160 pF/100m
- » Mutual Capacitance: Max. 5600 pF/100m
- » Impedance: 772kHz – 125 $\Omega$   $\pm$  20%; 1~250MHz – 100 $\Omega$   $\pm$  15%