



### Construction

- Conductor: 24 AWG flexible bare copper
- Insulation: Polyolefin
- Pairs: 4 Twisted pairs
- pair Colour Code: Blue/White-Blue, Orange/White-Orange, Green/White-Green, Brown/White-Brown
- Sheath: PVC (Note: Low Smoke Zero Halogen (LSZH) is also available on request)

### Electrical Characteristics @ 20°C

- DC Resistance: 93.8 Ohms/km (Max)
- Resistance Unbalance: 2% (Max)
- Mutual capacitance @ 1kHz: 56 nF/km (Max)
- Capacitance Unbalance: 1000 pF/km (Max)

- Delay Skew: 450 nsec/km (Max)
- Velocity of Propagation: 0.68 c
- Characteristic Impedance: 100 Ohms  $\pm$  15% @ 1.0 Mhz – 100 Mhz

### Physical Properties & Packaging

- Fire safety Rating: IEC 60332 Part 1
- Outside Diameter (Nom): 5.6 mm
- Weight (kg/km): 34
- Temperature Range: 0°C to +50°C (Installation) / -20°C to + 70°C (Operational)
- Standard Packaging: 305 m Easy Pull box (10.1 kg/box) (350mm x 210mm x 350mm) / 500 m Plastic Reels (18 kg/Reel) (400mm x 200mm x 160mm)

Frequency MHz	Attenuation dB/100m	NEXT dB	PSNEXT dB	PSELFEXT dB
1	2.4	65.3	62.3	60.8
4	4.9	56.3	53.3	48.7
10	7.8	50.3	47.3	40.8
16	9.9	47.3	44.3	36.7
20	11.1	45.8	42.8	34.7
31.25	14.1	42.9	39.9	30.9
62.5	20.4	38.4	35.4	24.8
100	26.4	35.3	32.3	20.8