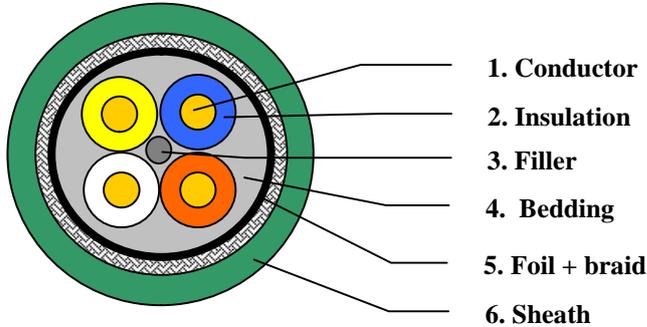


CONSTRUCTION



| | |
|------------------------------|----------------------------------|
| 1. Conductor | 0.65 mm (22AWG) bare copper wire |
| 2. Insulation | |
| Material | PE |
| Diameter over insulation | 1.50 ± 0.05 mm |
| Colour of insulation | White, Blue and Yellow, Orange |
| 3. Filler | |
| 4. Bedding | |
| Material | PVC |
| Nom. Diameter | 3.90 mm |
| 5. Foil + Braid | |
| Material | Aluminium / Polyester |
| Coverage of braided screen | > 85% |
| 6. Sheath | |
| Material | PVC |
| Colour | Green RAL 6018 |
| Nominal diameter over jacket | 6.50 +/- 0.20 mm |

REQUIREMENTS AND TEST METHODS

Electrical:

ISO/IEC 11801 ed. 2.0, Cat.5e

Max. operating voltage

300 V rms

Maximum conductor DC-resistance @ 20°C

57.1 Ω/km

Transfer impedance @ 10MHz

< 10 mOhm/m

Nom. velocity of propagation

68 %

Delay

< 5.3 ns/m

Impedance @ 1 – 100 MHz

100 +/- 15 Ω

| Frequency (MHz) | Nom. Attenuation (dB/100m) | Min. Next (dB) | Min. ELFEXT (dB/100m) | Min. SRL (dB) |
|-----------------|----------------------------|----------------|-----------------------|---------------|
| 1 | 2.1 | 65.3 | 64 | - |
| 4 | 4.1 | 56.3 | 52 | 23 |
| 10 | 6.5 | 50.3 | 44 | 25 |
| 16 | 8.3 | 47.2 | 40 | 25 |
| 31.25 | 11.7 | 42.9 | 34 | 23.6 |
| 62.5 | 17 | 38.4 | 28 | 21.5 |
| 100 | 22 | 35.3 | 24 | 20.1 |

Mechanical and physical:

Flame resistance

IEC 60332-1

Oil resistance

IEC 60811-2-1

Temperature range installing

- 5 to +50 °C

Temperature range operating

- 25 to +70 °C

Temperature range storage

-40 to +70 °C



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.