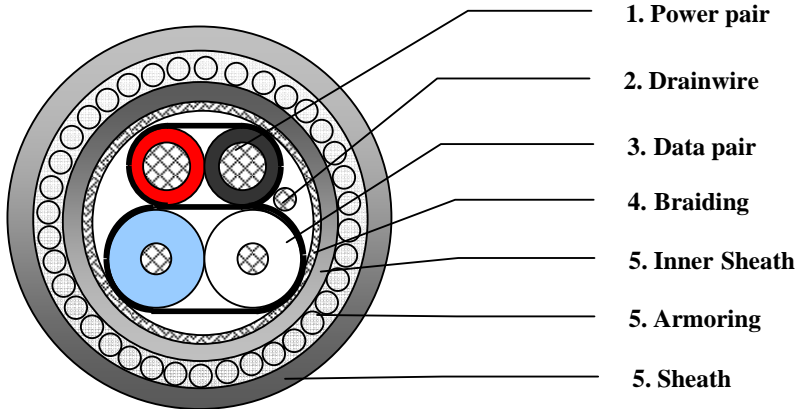
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APPLICATION

HALOGENFREE DEVICE BUS CABLE

CONSTRUCTION



1. Power pair

Conductor	AWG22 (19xAWG34) tinned copper
Insulation material	PE
Diameter over insulation	1.83 ± 0.05 mm
Colour of insulation	Black and red
Shielding	Beldfoil® (aluminium on the outside)

2. Drainwire

Conductor	AWG22 (19xAWG34) tinned copper
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3. Data pair


Conductor	AWG24 (19xAWG36) tinned copper
Insulation material	Foamed polyethylene
Diameter over insulation	1.96 ± 0.1 mm
Colour of insulation	Blue and white
Shielding	Beldfoil® (aluminium on the outside)

4. Braiding

Material	0.13 tinned Cu (awg36)
Coverage	65%

5. Sheath

Material	FRNC (UV stabilised)
Colour	Chrome
Nominal thickness of sheath	0.85 mm
Diameter	7.1 mm

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8. Armouring

Material Galvanised steel wire 0.9 mm
Optical coverage >95 %

9. Sheath

Material FRNC (UV stabilised)
Colour Blue
Average thickness of sheath 1.52 mm
Diameter over sheath 12.1 ± 0.30 mm


REQUIREMENTS AND TEST METHODS

Electrical:

Nominal impedance @ 1 MHz 120 +/- 12 Ω
Nominal velocity of propagation 75 %
Nominal attenuation @ 125 KHz 0.95 dB/100
500 KHz 1.64 dB/100m
1 MHz 2.30 dB/100m
Nominal resistance power conductor 57 Ohm/km
Nominal resistance data conductor 92 Ohm/km
Nominal shield resistance 10.5 Ohm/km

Mechanical and physical:

Flame resistance IEC 60332-3C
Temperature range processing and operating -15 to +75 °C
Temperature range storage -30 to +75 °C
Minimum bending radius 10 x cable diameter

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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.