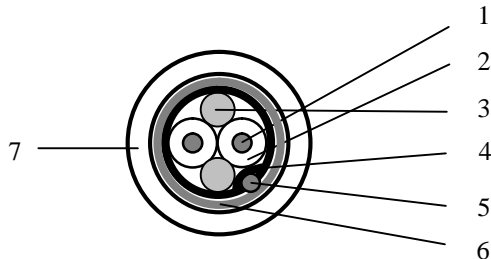
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APPLICATION

Twinaxial instrumentation and computer cable for data transmission applications.

CONSTRUCTION




1. Conductor	AWG20 (7xAWG28) tinned Cu
2. Insulation	
Material	Polyethylene
Diameter over insulation	1.96 ± 0.05 mm
Colour of insulation	Clear and blue
3. Filler (2x)	
Material	Solid Polyethylene
Diameter	1.32 mm
Colour	Clear
4. Foil (Z-fold®)	
Material	Aluminium / Polyester
Thickness	9 / 23 µm
5. Drainwire	AWG20 (7xAWG28) tinned Cu
6. Braiding	
Material	0.122 mm tinned Cu
Coverage	55%
7. Sheath	
Material	FRNC (UV stabilised)
Colour	Blue (like RAL 5012)
Nominal thickness	0.89 mm
Nominal diameter	6.35 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	31.2 Ω/km
Nominal resistance shield	13.5 Ω/km
DC resistance unbalance	< 2.53 Ω/km
Nominal capacitance conductor to conductor	64.6 pF/m
Nominal capacitance conductor to shield	118.1 pF/m
Nominal impedance	78 Ω
Nominal velocity of propagation	66 %
Maximum attenuation @ 1 MHz	1.97 dB/100m
Maximum attenuation @ 10 MHz	6.89 dB/100m
Maximum attenuation @ 50 MHz	11.81 dB/100m

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Maximum attenuation @ 100 MHz	24.61 dB/100m
Maximum attenuation @ 200 MHz	36.09 dB/100m
Maximum attenuation @ 400 MHz	52.49 dB/100m
Testvoltage conductor-conductor	2500 VDC, 3 seconds
Testvoltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	300 V RMS

Mechanical and physical:

Flame resistance	IEC 60332-3C
Oil resistance	ASTMD741
Radiation resistance	IEC544 (CERN)
Application specification	BS 7655 section 6.1 table 1, LTS 3
Halogen content according to IEC754-1	zero
Corrosivity of fire gasses according to IEC754-2	
Conductivity	≤ 100 μS/cm
pH value	≥ 3.5
Temperature range installing	-15 to +80 °C
Temperature range operating (moving installation)	-15 to +80 °C
Temperature range operating (fixed installation)	-45 to +80 °C
Temperature range storage	-45 to +80 °C
Minimum bending radius	10 x cable diameter

PACKAGING

On non-returnable reels (E 350) with a nominal length of 305m (-0, +10%) or on non-returnable reels (E 500) with a nominal length of 500m (-0, +10%) or on non-returnable reels (E 560) with a nominal length of 1000m (-0, +10%).

Each reel is labelled with the following data:

Belden Logo. Belden code number. Item description. Length on the reel. Date of manufacture. CE-marking.



Belden declares 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.