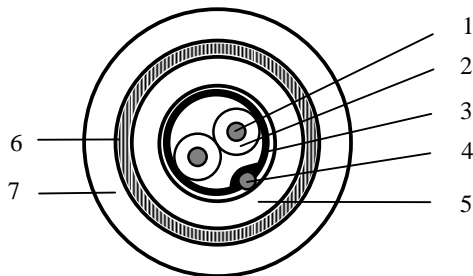
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APPLICATION

Instrumentation and computer cable for data transmission applications.

CONSTRUCTION




1. Conductor	AWG18 (16xAWG30) tinned Cu
2. Insulation	
Material	Polyethylene
Diameter over insulation	2.08 ± 0.05 mm
Colour of insulation	Black and clear
3. Foil (Beldfoil®)	
Material	Aluminium / Polyester
Thickness	9 / 12 μ m
4. Drainwire	AWG20 (7xAWG28) tinned Cu
5. Sheath	
Material	FRNC
Colour	Chrome (like RAL 7037)
Thickness of sheath	0.89 ± 0.05 mm
Diameter over sheath	6.00 ± 0.20 mm
6. Armouring	
Material	Single Steel wire 0.90 mm
Optical coverage	>95 %
7. Sheath	
Material	FRNC (UV stabilised)
Colour	Black
Thickness of sheath	1.30 ± 0.10 mm
Diameter over sheath	10.40 ± 0.30 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor @ 20 °C	21.3 Ω /km
Nominal capacitance conductor to conductor	98 pF/m
Nominal capacitance conductor to shield + other cond.	144.4 pF/m
Nominal impedance	60 Ω
Nominal loop inductance	0.591 μ H/m
Nominal velocity of propagation	66 %
Testvoltage conductor-conductor	2500 VDC, 3 seconds
Testvoltage conductor-screen	2500 VDC, 3 seconds

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Voltage rating 300 V RMS
Maximum continues current per conductor @ 25 °C 5.3 A

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	15 x cable diameter

MARKING

Colour code 2152: black sheath with text 'BELDEN V 8760LS 1PR 18AWG SHIELDED LSNH SWA LSNH IEC 332-3C'


PACKAGING

On non-returnable reels with a nominal length of 500 m (-0, +20%) or on non-returnable reels with a nominal length of 1000 m (-0, +20%).

Each reel is labelled with the following data:

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



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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.