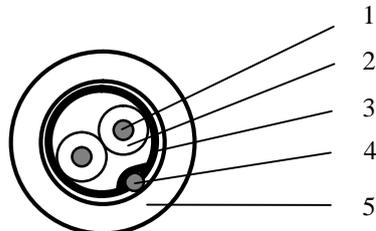


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## APPLICATION

Instrumentation and computer cable for data transmission applications.

## CONSTRUCTION



<b>1. Conductor</b>	AWG22 (7xAWG30) tinned Cu
<b>2. Insulation</b>	
Material	Polyethylene
Diameter over insulation	1.57 ± 0.05 mm
Colour of insulation	Black and clear
<b>3. Foil (Z-fold®)</b>	
Material	Aluminium / Polyester
Thickness	9 / 12 µm
<b>4. Drainwire</b>	AWG22 (7xAWG30) tinned Cu
<b>5. Sheath</b>	
Material	FRNC (UV stabilised)
Colour	Chrome (like RAL 7037)
Nominal sheath thickness	0.89 mm
Nominal diameter	4.95 mm

## REQUIREMENTS AND TEST METHODS

### Electrical:

Nominal resistance conductor @ 20 °C	52.5 Ω/km
Nominal capacitance conductor to conductor	78.7 pF/m
Nominal capacitance conductor to shield + other cond.	154.2 pF/m
Nominal inductance of pair	0.66 µH/m
Nominal impedance	64 Ω
Nominal velocity of propagation	66 %
Testvoltage conductor-conductor	2500 VDC, 3 seconds
Testvoltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	300 V RMS
Maximum continues current per conductor @ 25 °C	2.9 A

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**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
Maximum pulling tension	158 N

**Packaging:**

On non-returnable reels with a length of 153 m (-0, +10%) or on non-returnable reels with a length of 500 m (-0, +10%) or unreel package with a length of 1000 m (-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.

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