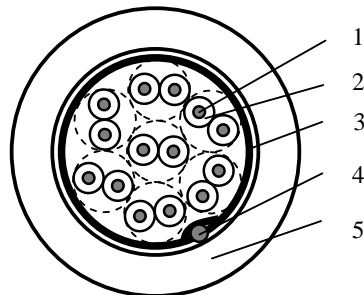
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APPLICATION

Instrumentation and computer cable for EIA RS-232 data transmission applications.

CONSTRUCTION



1. Conductor

AWG24 (7xAWG32) tinned Cu

2. Insulation

Material

PE

Diameter over insulation

1.12 ± 0.05 mm

Colour of insulation

Pair 1 (central): Black and red

Pair 2: Black and white

Pair 3: Black and green

Pair 4: Black and blue

Pair 5: Black and yellow

Pair 6: Black and brown

Pair 7: Black and orange

3. Foil (Beldfoil®)

Material

Aluminium / Polyester

Thickness

9 / 23 µm

4. Drainwire

AWG20 (7xAWG28) tinned Cu

5. Sheath

Material

FRNC (UV stabilised)

Colour

Chrome (like RAL 7037)

Thickness of sheath

0.90 ± 0.07 mm

Diameter over sheath

7.64 ± 0.25 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor

78.7 Ω/km

Nominal resistance shield

54.1 Ω/km

Nominal capacitance conductor to conductor of a pair

98.4 pF/m

Nominal capacitance conductor to shield + other cond.

164.0 pF/m

Testvoltage conductor-conductor

2500 VDC, 3 seconds

Testvoltage conductor-screen


2500 VDC, 3 seconds

Voltage rating

300 V RMS

Maximum continuous current per conductor @ 25 °C

1.5 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	$\leq 100 \mu\text{S/cm}$
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	300 N

MARKING


Colour code 2957: chrome sheath with text 'BELDEN V 9507NH 7PR 24AWG SHIELDED LSNH IEC 332-3C'

PACKAGING

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.

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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.