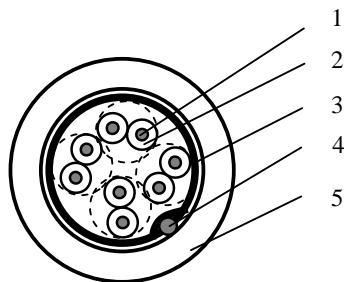
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APPLICATION

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: Black and red Pair 2: Black and white Pair 3: Black and green Pair 4: Black and blue
3. Foil (Beldfoil®)	
Material	Aluminium / Polyester
Thickness	9 / 23 µm
4. Drainwire	AWG24 (7xAWG32) tinned Cu
5. Sheath	
Material	FRNC (UV stabilised)
Colour	Chrome (like RAL 7037)
Nominal thickness	0.90 mm
Nominal diameter	6.88 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	78.7 Ω/km
Nominal resistance shield	55.8 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 continues 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	200 N

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.



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.