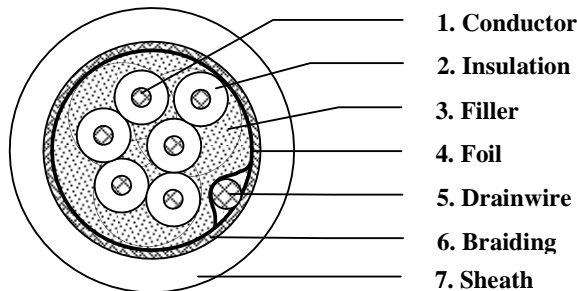
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APPLICATION

Instrumentation and computer cable for EIA RS-485 data transmission applications.

CONSTRUCTION




1. Conductor	AWG24 (7xAWG32) tinned Cu
2. Insulation	
Material	Polyethylene
Diameter over insulation	1.73 ± 0.05 mm
Colour of insulation	Pair #1: White/blue and blue/white Pair #2: White/orange and orange/white Pair #2: White/green and green/white
3. Filler	Polypropylene
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	90%
7. Sheath	
Material	FRNC
Colour	Chrome (like RAL 7037)
Nominal Wall thickness	0.89 mm
Nominal diameter over sheath	9.10 mm

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	78.7 Ω/km
Nominal resistance shield	7.7 Ω/km
Nominal capacitance conductor to conductor	42.0 pF/m
Nominal capacitance conductor to shield + other cond.	75.5 pF/m
Nominal impedance @ 1 MHz	120 Ω
Nominal velocity of propagation	66 %
Nominal delay	5.2 ns/m
Nominal attenuation @ 1 MHz	1.97 dB/100m
Testvoltage conductor-conductor	2500 VDC, 3 seconds

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Testvoltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	300 V RMS (CM application) 30 V RMS (AWM application)
Maximum continues current per conductor @ 25 °C	1.54 A

Mechanical and physical:

Flame resistance	IEC 60332-3-C
Applicable specification	BS 7655 section 6.1 table 1, LTS 3
Temperature range processing and operating	-15 to +80 °C
Temperature range storage	-30 to +80 °C
Minimum bending radius	10 x cable diameter
Maximum pulling tension	470 N

MARKING

Text inkjetprinting:
‘BELDEN V 9843NH 3PR 24AWG SHIELDED LSNH IEC 60332-3C’

PACKAGING

On non-returnable reels with a length of 1000m (-0, +0%).

Each reel is labelled with the following data:

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