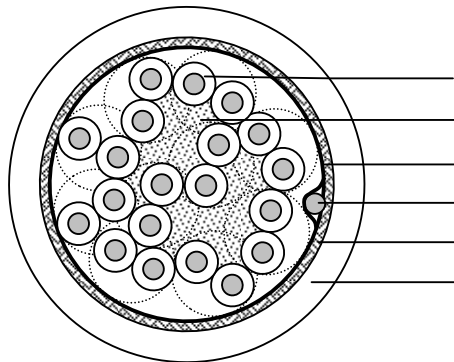


APPLICATION

Instrumentation and computer cable for data transmission applications.

CONSTRUCTION



- 1. Twisted pair (10x)
- 2. Filler (2x)
- 3. Foil
- 4. Drainwire
- 5. Braiding
- 6. Sheath

1. Insulated conductor (10x)

Conductor	AWG24 (7xAWG32) tinned Cu
Insulation material	Datalene
Diameter over insulation	1.24 ± 0.06 mm
Colour of insulation	Pair 1: White/blue; blue/white Pair 2: White/orange; orange/white Pair 3: White/green; green/white Pair 4: White/brown; brown/white Pair 5: White/gray; gray/white Pair 6: Red/blue; Blue/red Pair 7: Red/orange; Orange/red Pair 8: Red/green; green/red Pair 9: Red/brown; brown/red Pair10:Red/gray; gray/red

2. Filler (2x)

Material	Polypropylene
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3. Foil (Z-fold®)

Material	Aluminium / Polyester
Thickness	9 / 12 µm

4. Drainwire

AWG24 (7xAWG32) tinned Cu

5. Braiding

Material	Tinned copper wire
Coverage	>65%

6. Sheath

Material	PVC
Colour	Chrome
Minimum wall thickness	0.711 mm
Minimum average wall thickness	0.813 mm
Nominal diameter over sheath	10.29 mm

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REQUIREMENTS AND TEST METHODS

Electrical:

Max. operating voltage type CM	300 V RMS
Max. operating voltage type AWM 2919	30 V RMS
Max. continuous current per conductor @ 25 °C	1.5 A
Nominal capacitance conductors of pair @ 1 kHz	41.0 pF/m
Max. capacitance conductors of pair @ 1 kHz	45.9 pF/m
Nominal capacitance conductor to shield @ 1 kHz *	72.2 pF/m
Nominal impedance	100 Ω
Nominal inductance	0.75 microH/m
Nominal resistance conductor	78.7 Ω/km
Nominal resistance shield	8.5 Ω/km
Nominal velocity of propagation	78%

*One conductor to other conductor and shield.

**Nominal values are for information only.

Mechanical and physical:

Temperature range	-30 to +80 °C
Nominal weight per 100m	Under consideration
Maximum pulling tension	400 N
Minimum bending radius	114 mm

MARKING

Text: Inkjet printing in blue

BELDEN V 8110 CM 10PR24 SHIELDED (UL) E108998 OR AWM 2919 LOW VOLTAGE
COMPUTER CABLE OR C(UL) CM xxmm

xx = jaartal +15

mm= maand

PACKAGING

Non-returnable reels.

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 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.

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