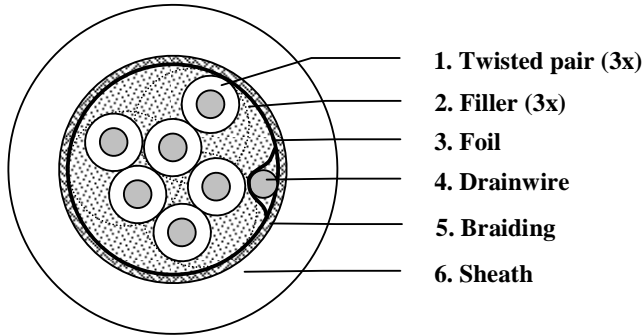
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APPLICATION

Instrumentation and computer cable for data transmission applications.

CONSTRUCTION



1. Twisted pair (3x)

Conductor
Insulation material
Diameter over insulation
Colour of insulation

AWG24 (7xAWG32) tinned Cu
Datalene
1.24 ± 0.06 mm
Pair 1: White/blue; blue/white
Pair 2: White/orange; orange/white
Pair 3: White/green; green/white

2. Filler (3x)

Material

Polypropylene

3. Foil (Z-fold®)

Material
Thickness

Aluminium / Polyester
9 / 12 µm

4. Drainwire

Material
Coverage

AWG24 (7xAWG32) tinned Cu

5. Braiding


Material
Coverage

Tinned copper wire
>65%

6. Sheath

Material
Colour
Minimum wall thickness
Minimum average wall thickness
Nominal diameter over sheath

PVC
Chrome
0.711 mm
0.813 mm
7.19 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	12.0 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	165 N
Minimum bending radius	76 mm

MARKING

Text: Inkjet printing in blue

BELDEN V 8103 CM 3PR24 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.