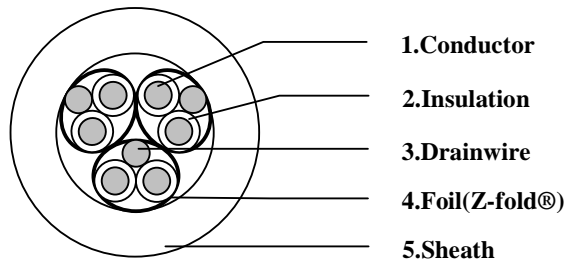
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APPLICATION

Instrumentation and computer cable for data transmission applications.

CONSTRUCTION



1. Conductor	AWG22 (7xAWG30) tinned Cu
2. Insulation	
Material	Polypropylene
Diameter over insulation	1.27 ± 0.05 mm
Colour of insulation	Pair 1: Black and red Pair 2: Black and white Pair 3: Black and green
3. Drainwire	AWG22 (7xAWG30) tinned Cu
4. Foil (Z-fold®)	
Material	Aluminium / Polyester
Thickness	9 / 12 µm
Colour of foil	Pair 1: Red Pair 2: Green Pair 3: Blue
5. Sheath	
Material	FRNC
Colour	Chrome (like RAL 7037)
Minimum thickness of sheath	0.61 mm
Minimum average wall thickness	0.762 mm
Nominal diameter over sheath	6.55 mm


REQUIREMENTS AND TEST METHODS

Electrical:

Nominal resistance conductor	49.2 Ω/km
Nominal resistance shield	34.8 Ω/km
Nominal capacitance conductor to conductor of a pair	98.4 pF/m
Nominal capacitance conductor to shield + other cond.	180.4 pF/m
Nominal inductance of pair	0.59 µH/m
Nominal impedance	50 Ω
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	2.0 A

*Nominal values are for information only.

Mechanical and physical:

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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	255 N

MARKING

Text: Inkjet printing in blue

BELDEN V 8777 CM 3PR22 SHIELDED (UL) E108998 OR AWM 2919 LOW VOLTAGE COMPUTER CABLE OR C(UL) CM XXMM

XX = jaartal +15

MM= maand

PACKAGING

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.