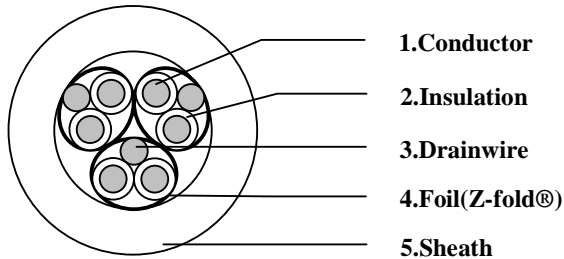
	<b>TECHNICAL DATA SHEET</b>	code	<b>8777</b>
	<b>CONCEPT</b>	version	<b>2</b>
		date	<b>2005-11-03</b>
	<b>8777</b>	page	<b>1/2</b>

## APPLICATION

Instrumentation and computer cable for data transmission applications.

## CONSTRUCTION



<b>1. Conductor</b>	AWG22 (7xAWG30) tinned Cu
<b>2. Insulation</b>	
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
<b>3. Drainwire</b>	AWG22 (7xAWG30) tinned Cu
<b>4. Foil (Z-fold®)</b>	
Material	Aluminium / Polyester
Thickness	9 / 12 µm
Colour of foil	Pair 1: Red Pair 2: Green Pair 3: Blue
<b>5. Sheath</b>	
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:

	<b>TECHNICAL DATA SHEET</b>	code	<b>8777</b>
	<b>CONCEPT</b>	version	<b>2</b>
		date	<b>2005-11-03</b>
	<b>8777</b>	page	<b>2/2</b>

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.

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