APPLICATION

Instrumentation and computer cable for data transmission applications.

CONSTRUCTION
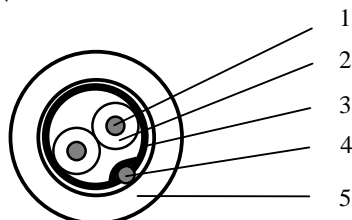
1.	**Conductor**	AWG18 (16xAWG30) tinned Cu
2.	**Insulation**	
	Material	Polyethylene
	Diameter over insulation	2.08 ± 0.05 mm
	Colour of insulation	Black and clear
3.	**Foil (Beldfoil®)**	
	Material	Aluminium / Polyester
	Thickness	9 / 12 µm
4.	**Drainwire**	AWG20 (7xAWG28) tinned Cu
5.	**Sheath**	
	Material	PVC
	Colour	Chrome 060
	Thickness of sheath	0.71 ± 0.10 mm
	Diameter over sheath	5.64 ± 0.20 mm

REQUIREMENTS AND TEST METHODS
Electrical:

Nominal resistance conductor @ 20 °C	21.3 Ω/km
Nominal capacitance conductor to conductor	98 pF/m
Nominal capacitance conductor to shield + other cond.	144.4 pF/m
Nominal impedance	60 Ω
Nominal loop inductance	0.591 µH/m
Nominal velocity of propagation	66 %
Testvoltage conductor-conductor	2500 VDC, 3 seconds
Testvoltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	300 V RMS
Maximum continues current per conductor @ 25 °C	5.3 A

Mechanical and physical:

Flame resistance	UL 1581 vertical tray
Applicable specifications	UL type CM or AWM 2092, CEC C(UL) CM
Temperature range processing and operating	-15 to +60 ˚C
Temperature range storage	-30 to +60 ˚C

Minimum bending radius   10 x cable diameter
Maximum pulling tension   281 N

MARKING
Colour code 2892: chrome sheath with text 'BELDEN V 8760 CM 1PR18 SHIELDED (UL)
E108998 OR AWM 2092 OR C(UL) CM'

PACKAGING
On non-returnable reels with a length of 153 m (± 0%) or on non-returnable reels with a length of 305 m (± 0%) or on non-returnable reels with a length of 610 m (± 0%) or unreel package with a length of 153 m (± 0%) or unreel package with a length of 305 m (± 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.

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