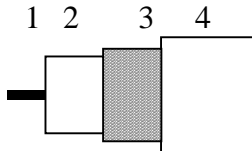
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APPLICATION

Coaxial communication cable based on MIL-C-17.

CONSTRUCTION




1	Inner conductor	Stranded copper clad steel
2	Dielectric	Solid PE
3	Braid	Tinned copper
4	Sheath	PVC according the European Standard HD 624.

REQUIREMENTS AND TEST METHODS

Test methods in accordance with European standard EN 50289.

Mechanical characteristics

1. Inner conductor:	7 x 0.16 mm
Diameter:	0.48 mm ± 0.02 mm
2. Dielectric:	
Diameter:	1.5 mm ± 0.15 mm
3. Outer conductor:	
Diameter screen:	1.97 mm ± 0.15 mm
Coverage braid:	85 % ± 4 %
4. Sheath:	
Diameter:	2.8 mm ± 0.1 mm
5. Cable:	
Storage/operating temperature:	-40°C to +70°C
Minimum installation temperature:	-5 °C
Maximum pulling tension:	90N

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Electrical characteristics

Mean characteristic impedance:	$50 \pm 2 \Omega$
DC resistance inner conductor:	$\leq 317 \text{ Ohm/km}$
Capacitance:	$100 \text{ pF/m} \pm 3 \text{ pF/m}$
Nominal velocity of propagation:	66 %
Voltage Rating	
DC:	1.4 kVdc
RMS	1.0 kVrms

Nominal Attenuation:

10 MHz:	11 dB/100m
200 MHz:	42 dB/100m
1000 MHz:	110 dB/100m

Maximum attenuation: 10% higher.

REVISIONS

#	Description	Date	Initials
2	Correction on diameter, attenuation and adding pulling force	2009-08-10	PBo



Belden declares 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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