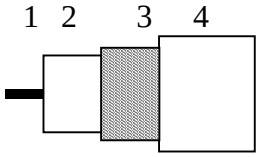
APPLICATION

Coaxial communication cable based on MIL-C-17.

CONSTRUCTION



1	Inner conductor	Stranded copper cladded 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

Electrical characteristics

Mean characteristic impedance:	50 ± 2 Ω
DC resistance inner conductor:	≤ 317 Ohm/km
Capacitance:	100 pF/m ± 3 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.