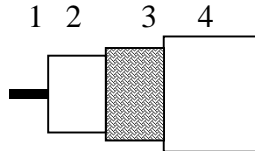
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APPLICATION

Coaxial communication cable based on MIL-C-17.

CONSTRUCTION




1	Inner conductor	Stranded tinned copper
2	Dielectric	Solid PE
3	Braid	Annealed tinned copper
4	Sheath	PVC according the European Standard EN 50290-2-20.

REQUIREMENTS AND TEST METHODS

Test methods in accordance with European standard EN 50289.

Mechanical characteristics

1. Inner conductor:	
Diameter:	19 x 0.18 mm ± 0.02 mm
2. Dielectric:	
Diameter:	2.95 mm ± 0.15 mm
3. Outer conductor:	
Diameter screen:	3.5 mm ± 0.2 mm
Coverage braid:	93 % ± 4 %
4. Sheath:	
Diameter:	4.95 mm ± 0.2 mm
Tensile strength:	≥ 12.5 N/mm ²
Elongation at break:	≥ 150 %
5. Cable:	
Crush resistance of cable:	< 1% (load of 700N)
Storage/operating temperature:	-40°C to +70°C
Minimum installation temperature:	-5 °C
Minimum static bend radius:	25 mm
Reaction to fire according EN50575	Eca

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Electrical characteristics

Mean characteristic impedance:	$50 \pm 2 \Omega$
Regularity of impedance:	$> 40 \text{ dB}$
DC resistance inner conductor:	$\leq 40.6 \Omega/\text{km}$
Capacitance:	$100 \text{ pF/m} \pm 2 \text{ pF/m}$
Nominal velocity of propagation:	66%
Insulation resistance:	$> 10^4 \text{ M}\Omega.\text{km}$
Voltage Rating	
DC:	4 kVdc
RMS	2kVrms

Return loss at	5-30 MHz:	$\geq 20 \text{ dB}^*$
	30-470 MHz:	$\geq 20 \text{ dB}^*$
	470-1000 MHz:	$\geq 18 \text{ dB}^*$

*Max. 3 peak values 4 dB lower than specified.

Nominal Attenuation:

10 MHz:	4.7 dB/100m
200 MHz:	23.0 dB/100m
400 MHz:	34.0 dB/100m
1000 MHz:	60.0 dB/100m

Maximum attenuation is 10% higher.



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.