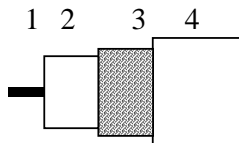
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APPLICATION

Coaxial communication cable based on BS2316.

CONSTRUCTION




1	Inner conductor	Stranded bare copper
2	Dielectric	Foamed PE
3	Braid	Bare 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 0.25 mm
Nominal diameter:		0.75 mm
2. Dielectric:		
Diameter:		3.25 mm ± 0.15 mm
3. Outer conductor:		
Nominal diameter screen:		3.85 mm
Coverage braid:		57 % ± 4 %
4. Sheath:		
Diameter:		5.1 mm ± 0.25 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:		26 mm

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Electrical characteristics

Mean characteristic impedance: $75 \pm 3 \Omega$
 Regularity of impedance: $> 40 \text{ dB}$
 DC resistance inner conductor: $\leq 54 \Omega/\text{km}$
 Capacitance: $55 \text{ pF/m} \pm 2 \text{ pF/m}$
 Nominal velocity of propagation: 81%
 Insulation resistance: $> 2 \cdot 10^4 \text{ M}\Omega \cdot \text{km}$
 Voltage Rating
 DC: 2.4 kVdc
 RMS 1.2 kVrms

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:

100 MHz: 11 dB/100m
 200 MHz: 16 dB/100m
 500 MHz: 27 dB/100m
 900 MHz: 40 dB/100m

REVISIONS

#	Description	Date	Initials



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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