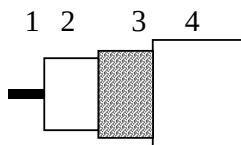


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APPLICATION

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.