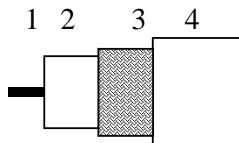
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## APPLICATION

Coaxial communication cable based on BS2316.

## CONSTRUCTION




1	Inner conductor	Stranded bare copper
2	Dielectric	Solid 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 0.32 mm
Diameter:		0.96 mm ± 0.02 mm
2. Dielectric:		
Diameter:		2.95 mm ± 0.15 mm
3. Outer conductor:		
Diameter screen:		3.63 mm ± 0.2 mm
Coverage braid:		91 % ± 4 %
4. Sheath:		
Diameter:		5.0 mm ± 0.25 mm
Tensile strength:		≥ 12.5 N/mm <sup>2</sup>
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

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**Electrical characteristics**

Mean characteristic impedance:  $50 \pm 2 \Omega$   
 Regularity of impedance:  $> 40 \text{ dB}$   
 DC resistance inner conductor:  $\leq 31.8 \Omega/\text{km}$   
 Capacitance:  $98 \text{ pF/m} \pm 5 \text{ pF/m}$   
 Nominal velocity of propagation:  $66 \%$   
 Insulation resistance:  $> 2.10^4 \text{ M}\Omega.\text{km}$   
 Voltage Rating  
     DC: 4 kVdc  
     RMS: 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: 15.5 dB/100m  
 200 MHz: 22.2 dB/100m  
 600 MHz: 39.8 dB/100m  
 1000 MHz: 52.7 dB/100m

**REVISIONS**

#	Description	Date	Initials
2	Conductor bare instead of tinned (error in spec)	18-8-2016	PB



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.