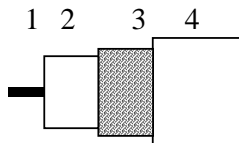
	<b>TECHNICAL DATA SHEET</b>	code	<b>URM203</b>
		version	<b>1</b>
		date	<b>2007-10-26</b>
	<b>COAX Uniradio No. M203</b>	page	<b>1/2</b>

## APPLICATION

Coaxial communication cable based on BS2316.

## CONSTRUCTION




1	Inner conductor	Solid soft annealed 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:	
Nominal diameter:	1.12 mm
2. Dielectric:	
Diameter:	5.1 mm ± 0.15 mm
3. Outer conductor:	
Nominal diameter screen:	5.7 mm
Coverage braid:	57 % ± 4 %
4. Sheath:	
Diameter:	7.25 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:	36 mm

	<b>TECHNICAL DATA SHEET</b>	code	<b>URM203</b>
		version	<b>1</b>
		date	<b>2007-10-26</b>
	<b>COAX Uniradio No. M203</b>	page	<b>2/2</b>

**Electrical characteristics**

Mean characteristic impedance:  $75 \pm 3 \Omega$   
 Regularity of impedance:  $> 40 \text{ dB}$   
 DC resistance inner conductor:  $\leq 18.3 \Omega/\text{km}$   
 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  
     RMS  $2.4 \text{ kVrms}$

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:**

60 MHz: 5.7 dB/100m  
 100 MHz: 7.5 dB/100m  
 200 MHz: 11.0 dB/100m  
 500 MHz: 18.5 dB/100m  
 900 MHz: 26.0 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.