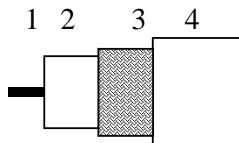
	TECHNICAL DATA SHEET	code	URM76NH
		version	2
		date	2016-08-18
	COAX URM 76 FRNC	page	1/2

APPLICATION

Coaxial communication cable based on BS2316.

CONSTRUCTION




1	Inner conductor	Stranded bare copper
2	Dielectric	Solid PE
3	Braid	Bare copper
4	Sheath	FRNC 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:	≥ 9 N/mm ²
Elongation at break:	≥ 125 %
5. Cable:	
Crush resistance of cable:	< 1% (load of 700N)
Storage/operating temperature:	-15°C to +70°C
Minimum installation temperature:	-5 °C
Minimum static bend radius:	25 mm

	TECHNICAL DATA SHEET	code	URM76NH
		version	2
		date	2016-08-18
	COAX URM 76 FRNC	page	2/2

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: $> 2 \cdot 10^4 \text{ M}\Omega \cdot \text{km}$
 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.