



URM43

Part Number: URM43

COAX URM43 PVC

Product Description

COAX URM43 PVC

Product Specifications

Application

Application 1:

Coaxial communication cable based on BS2316

Technical Specifications

Bend Radius

Min Bend Radius (W/o Pulling Strength):

25 mm

CCB-Sub-Crush Resistance

Crush Resistance:

Max. 1% (load of 700N) N

CCB-Sub-Material

Min Elongation at Break of Jacket:

150 MPa

Min Tensile Strength of Jacket:

12.5 lbs

EMEA Standard

CENELEC Compliance:

EN 50289

Environmental Characteristics

Operating Temp Range:

-40 to +70 °C

Storage Temp Range:	-40 to +70 °C
Installation Temp Range:	-5 to +50 °C

General Electrical Parameters

Min Insulation Resistance:	20000 mOhm/1000ft
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History

Revision Date:	2007-10-26
Revision Number:	1

North American Standard

Other Specification:	BS2316
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Impedance:

Nominal Characteristic Impedance		
50 mOhm/ft	2 Ohm	Min. 40 dB

Conductor DCR:

Max. Conductor DCR
28 Ohm/100m

Delay:

Nominal Velocity of Propagation (VP)
66 ns/100m

Voltage:

Voltage Rating
4000 dc / 2000 rms V

High Freq:

Element	Frequency [MHz]	Min. RL (Return Loss)
	5 - 30 MHz	20 dB
	30 - 470 MHz	20 dB
	470 - 1000 MHz	18 dB

In each frequency band, 3 peak values up to 4 dB lower are allowed

Capacitance:

Capacitance Tolerance	Nominal Capacitance
5 pF/m	98 pF/m

High Frequency (Nominal/Typical):

Frequency (MHz)	Nom. Insertion Loss
100 MHz	13 db/100m
200 MHz	18.7 db/100m
300 MHz	23.2 db/100m
600 MHz	33.8 db/100m
1000 MHz	44.6 db/100m

Insulation:

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Polyethylene	2.95 mm	0.15 mm

Outerjacket 1:

Element	Material	Nominal Diameter	Diameter +/- Tolerance
	PVC	5 mm	0.15 mm

According to European Standard HD 624

Conductor:

Stranding	Material	Nominal Diameter
Solid	Bare copper	0.9 in

Outersield 1:

Type	Material	Coverage	Nominal Diameter	Coverage +/- Tolerance
Braid	Bare copper	91 %	3.63 mm	4 %

Product Variants

Part Number	Color	Put-Up Type	Length
URM43.00500	BLACK	Reel	500 m
URM43.01100	BLACK	Reel	100 m

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