

H1000C2

Part Number: H1000C2

COAX RF H1000-RADIATING PVC



Product Description

COAX RF H1000-RADIATING PVC

Product Specifications

Application

Application 1:

Coaxial cables used for Radio-Frequency designed according the International Standard IEC 1196

Technical Specifications

Bend Radius

Min Bend Radius (W/o Pulling Strength):

100 mm

CCB-Sub-Crush Resistance

Crush Resistance:

Max. 1% (load of 700N) N

CCB-Sub-Material

Min Elongation at Breakof Jacket:

150 MPa

Min Tensile Strength of Jacket:

12.5 lbs

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

General Electrical Parameters Header:	Test methods in accordance with IEC 1196
Min Insulation Resistance:	10000 mOhm/1000ft

Global Standard

ISO/IEC Compliance:	IEC 1196
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History

Revision Date:	2008-10-20
Revision Number:	3

Stripping Performance

Adhesion Dielectric:	41-410 at 50 mm
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Impedance:

Nominal Characteristic Impedance

50 mOhm/ft	2 Ohm	Min. 46 dB
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Conductor DCR:

Max. Conductor DCR	Max. Conductor Loop	Max. Shield DCR
3.5 Ohm/100m	38.5 Ohm/1000ft	35 Ohm/km

Delay:

Nominal Velocity of Propagation (VP)	Velocity of Propagation Tolerance
83 ns/100m	2 %

Voltage:

Voltage Test Dielectric

3 kV DC

Capacitance:

Capacitance Tolerance	Nominal Capacitance
3 pF/m	80 pF/m

High Frequency (Nominal/Typical):

Element	Frequency (MHz)	Nom. Insertion Loss
	10 MHz	2 db/100m
	50 MHz	4,5 db/100m
	100 MHz	6,3 db/100m
	230 MHz	9,6 db/100m
	300 MHz	11,4 db/100m
	400	13 db/100m
	860	19,4 db/100m
	1000	22,5 db/100m
Max. attenuation 10% higher		

Insulation:

Element	Type	Material	Nominal Diameter	Diameter +/- Tolerance
	Dielectric	Foamed Polyethylene	7,15 mm	0,2 mm
Centricity min. 85%				

Outerjacket 1:

Element	Material	Nominal Diameter	Diameter +/- Tolerance
	PVC	10,3 mm	0,3 mm
According to European Standard HD 624			

Conductor:

Stranding	Material	Nominal Diameter	Diameter +/- Tolerance
Solid	Bare copper	2,62 in	0,03 mm

Outershield 1:

Type	Material	Coverage	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Braid	Bare copper	25 %	7,7 mm	0,25 mm	5 %

Product Variants

Part Number	Color	Put-Up Type	Length
H1000C2.00500	BLACK	Reel	500 m

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