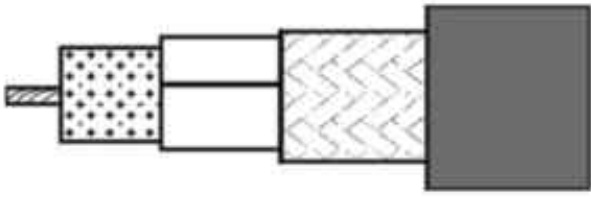


H1001C1

Part Number: H1001C1

COAX RF H1001 PE



Product Description

COAX RF H1001 PE

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 Break of Jacket:

300 MPa

Min Tensile Strength of Jacket:

10 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

Min Insulation Resistance:	10000 mOhm/1000ft
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Global Standard

ISO/IEC Compliance:	IEC 1196
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History

Revision Date:	2005-11-03
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Revision Number:	2
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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

4.5 Ohm/100m	16.5 Ohm/1000ft	12 Ohm/km
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Delay:

Nominal Velocity of Propagation (VP) Velocity of Propagation Tolerance

83 ns/100m	2 %
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Voltage:

Voltage Test Dielectric

3 kV DC

Screening:

Frequency Min. Screening Attenuation

30 - 1000 MHz	100
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Capacitance:

Capacitance Tolerance Nominal Capacitance

3 pF/m	80 pF/m
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High Frequency (Nominal/Typical):

Element	Frequency (MHz)	Nom. Insertion Loss
	5 MHz	1 db/100m
	50 MHz	3.3 db/100m
	100 MHz	4.7 db/100m
	200 MHz	6.7 db/100m
	400 MHz	9.8 db/100m
	600	12.2 db/100m
	800	14.4 db/100m
	1000	16.3 db/100m
	1350	19.3 db/100m
	1750	22.5 db/100m
	2150	25.4 db/100m
	2400	27.1 db/100m
	5000	42.4 db/100m
	10000	66.4 db/100ft
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
	Polyethylene	10.3 mm	0.3 mm
According to European Standard HD 624			

Conductor:

Stranding	Material	ConstructionNXD	Nominal Diameter	Diameter +/- Tolerance
Stranded	Bare copper	19x0.54 mm	2.7 in	0.05 mm

Outershield 1:

Type	Layer	Material	Coverage	Min. Overlap	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Tape	1	Copper - Polyester		2 mm			
Braid	2	Bare copper	49 %		7.9 mm	0.25 mm	5 %

Product Variants

Part Number	Color	Put-Up Type	Length
H1001C1.00500	BLACK	Reel	500 m

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