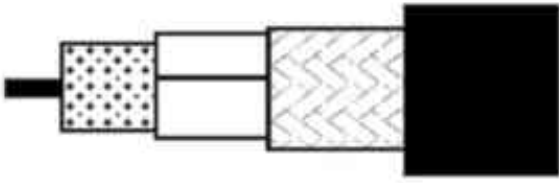


## H1000Co

Part Number: H1000Co

COAX RF H1000 PVC



## Product Description

COAX RF H1000 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

Min Insulation Resistance:	10000 mOhm/1000ft
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## Global Standard

ISO/IEC Compliance:	IEC 1196
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## History

Revision Date:	2008-10-20
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Revision Number:	4
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## 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	15.5 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
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### Screening:

#### Frequency                      Min. Screening Attenuation

30 - 1000 MHz	90
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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	0.8 db/100m
	50 MHz	2.8 db/100m
	100 MHz	4 db/100m
	200 MHz	5.7 db/100m
	400 MHz	8.4 db/100m
	600	10.5 db/100m
	800	12.3 db/100m
	1000	14 db/100m
	1350	16.7 db/100m
	1750	19.5 db/100m
	2150	22.1 db/100m
	2400	23.6 db/100m
	5000	37.4 db/100m
	10000	59.3 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
	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	Layer	Material	Coverage	Min. Overlap	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Tape	1	Copper - Polyester		2 mm			
Braid	2	Bare copper	49 %		7.8 mm	0.25 mm	5 %

## Product Variants

Part Number	Color	Put-Up Type	Length
H1000C0.002000	BLACK	Reel	2000 m
H1000C0.00500	BLACK	Reel	500 m
H1000C0.009999	BLACK	Reel	1000 m
H1000C0.00C100	BLACK	Coil	100 m

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