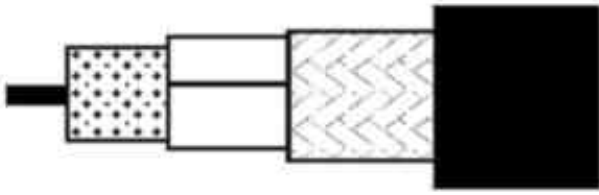


## H1000C3

Part Number: H1000C3

COAX RF H1000B PE



## Product Description

COAX RF H1000B PE

## Product Specifications

### Application

Application 1:	Coaxial cables used for Radio-Frequency designed according the International Standard IEC 1196
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## Technical Specifications

### Bend Radius

Min Bend Radius (W/o Pulling Strength):	100 mm
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### CCB-Sub-Crush Resistance

Crush Resistance:	Max. 1% (load of 700N) N
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### CCB-Sub-Material

Min Elongation at Breakof Jacket:	300 MPa
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Min Tensile Strength of Jacket:	10 lbs
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### Environmental Characteristics

Operating Temp Range:	-60 to +70 °C
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Storage Temp Range:	-60 to +70 °C
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Installation Temp Range:	-5 to +50 °C
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## 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:	2012-03-27
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Revision Number:	2
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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	8 Ohm/1000ft	4.5 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
	1000 MHz	13.4 db/100m
	2000 MHz	19.7 db/100m
	2500 MHz	22.6 db/100m
	2750 MHz	23.8 db/100m
	3000 MHz	25.2 db/100m
	4000	29.7 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
	Polyethylene	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	85 %		8 mm	0.25 mm	5 %

## Product Variants

Part Number	Color	Put-Up Type	Length
H1000C3.00500	BLACK	Reel	500 m

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