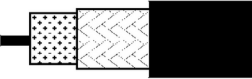




Product: [H1000C2](#)



H1000C2 - 50 Ohm Wireless Radiating Coax, H1000, RG8, 10 AWG Solid BC, 25% BC Braid, PVC Jkt

Product Description

50 Ohm Wireless Radiating Coax, H1000, RG8, 10 AWG Solid Bare Copper Conductor, PE Insulation, 25% Bare Copper Braid Shield, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)
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Construction Details

RG Type:	8
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	10 AWG	Solid	2.62 mm	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	7.15 mm (0.281 in)

Table Notes:	Centricity min. 85%
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Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	25%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	10.3 mm

Table Notes:	According to European Standard EN 50290-2-20
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Electrical Characteristics

Regularity of Impedance:	Min. 46 dB
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Attenuation

Frequency	Nom. Attenuation
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 MHz	13 dB/100m
860 MHz	19.4 dB/100m
1000 MHz	22.5 dB/100m

Table Notes:	Max. attenuation 10% higher
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Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
3.5 Ohm/km (1.1 Ohm/1000ft)	35 Ohm/km (11 Ohm/1000ft)	80 pF/m (24 pF/ft)	50 Ohm	83%

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C To +70°C	-5°C To +50°C	-40°C To +70°C

Bend Radius

Stationary Min.
100 mm (3.9 in)

Bulk Cable Weight:	119 kg/km
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
ISO/IEC Compliance:	IEC 61196

History

Update and Revision:	Revision Number: 0.195 Revision Date: 04-29-2024
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