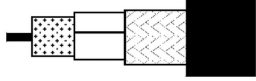




Product: [H1000C1](#)



H1000C1 - 50 Ohm Wireless Transmission Coax, H1000, RG8, 10 AWG Solid BC, CU-Foil + 50% BC Braid, PE Jkt

Product Description

50 Ohm Wireless Transmission Coax, H1000, RG8, 10 AWG Solid Bare Copper Conductor, PE Insulation, Copper foil + 50% Bare Copper Braid Shield, PE 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

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

Table Notes:	Centricity min. 85%
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Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bi-Laminate (Bare Copper+Poly)	100%
2	Braid	Bare Copper (BC)	50%

Outer Jacket

Material	Nom. Diameter
PE - Polyethylene	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
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 MHz	10.5 dB/100m
800 MHz	12.3 dB/100m
1000 MHz	14 dB/100m
1350 MHz	16.7 dB/100m

1750 MHz	19.5 dB/100m
2150 MHz	22.1 dB/100m
2400 MHz	23.6 dB/100m
5000 MHz	37.4 dB/100m
10000 MHz	59.3 dB/100m

Table Notes: Max. attenuation 10% higher

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)	12 Ohm/km (3.7 Ohm/1000ft)	80 pF/m (24 pF/ft)	50 Ohm	83%

Screening

Frequency	Min. Screening Attenuation
30 - 1000 MHz	90 dB

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-60°C To +70°C	-5°C To +50°C	-60°C To +70°C

Bend Radius

Stationary Min.
100 mm (3.9 in)

Standards and Compliance

Environmental Suitability:	Outdoor
ISO/IEC Compliance:	IEC 61196
European Directive Compliance:	EU CE Mark

History

Update and Revision: Revision Number: 0.199 Revision Date: 04-29-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
H1000C1.00100	Black	Reel	100 m	8719605085252
H1000C1.00500	Black	Reel	500 m	8719605085276
H1000C1.001000	Black	Reel	1,000 m	8719605085269

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