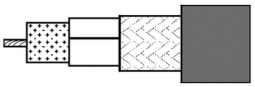
Belden



Product: H1001C2

Life Cycle Status: Discontinued

H1001C2 - 50 Ohm Wireless Transmission Coax, H1000, RG8, 10 AWG Stranded BC, CU-foil+50% BC Braid, PVC 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, 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)

Construction Details

RG Type:	8

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	10 AWG	Stranded	2.7 mm	BC - Bare Copper

Insulation

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

Insulation Table Notes:	Centricity min. 85%

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
PVC - Polyvinyl Chloride	10.3 mm

Outer Jacket1 Table Notes:	According to European Standard EN 50290-2-20

Electrical Characteristics

Regularity of Impedance:	Min. 46 dB

Attenuation

Frequency	Nom. Attenuation
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 MHz	12.2 dB/100m
800 MHz	14.4 dB/100m
1000 MHz	16.3 dB/100m
1350 MHz	19.3 dB/100m

1750 MHz	22.5 dB/100m
2150 MHz	25.4 dB/100m
2400 MHz	27.1 dB/100m
5000 MHz	42.4 dB/100m
10000 MHz	66.4 dB/100m

Attenuation 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.
4.5 Ohm/km (1.4 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	100 dB

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-25°C To +70°C	-5°C To +50°C	-25°C To +70°C

Bend Radius

Stationary Min.
100 mm (3.9 in)

Bulk Cable Weight:	127 kg/km

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
CEC / C(UL) Compliance:	.
ISO/IEC Compliance:	IEC 61196

History

Update and Revision:	Revision Number: 0.201 Revision Date: 02-20-2026