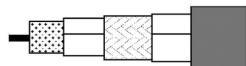


Product: [H121T00](#) 

H121T00 - Broadband Coax, H121T, 20 AWG Solid BC, Tri-Shield, PVC Jkt



Product Description

Broadband Coax, H121T, 20 AWG Solid Bare Copper Conductor, PE Insulation, Duofoil + 75% Tinned Copper Braid + Foil Shield, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas
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Construction Details

RG Type:	59
Series Type:	59

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	21 AWG	Solid	0.8 mm	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	3.5 mm (0.14 in)

Insulation Table Notes:	Gas Injected
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Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bi-Laminate (Alum+Poly)	100%
2	Braid	Tinned Copper (TC)	75%
3	Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	5 mm

Electrical Characteristics

Regularity of Impedance:	40 dB
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Return Loss

Frequency	Min. Return Loss	Min. Structural Return Loss
5 - 470 MHz	20 dB	20 dB
470 - 1000 MHz	18 dB	18 dB
1000 - 2000 MHz	16 dB	16 dB
2000-3000 MHz	15 dB	15 dB

Return Loss Table Notes:	Max. 3 peak values 4 dB lower than specified
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Attenuation

Frequency	Nom. Attenuation	Max. Attenuation
5 MHz	1.8 dB/100m	2.3 dB/100m
50 MHz	4.7 dB/100m	5.9 dB/100m

100 MHz	6.5 dB/100m	8.1 dB/100m
230 MHz	9.8 dB/100m	12.1 dB/100m
400 MHz	13 dB/100m	15.9 dB/100m
800 MHz	18.7 dB/100m	22.7 dB/100m
862 MHz	19.5 dB/100m	23.6 dB/100m
1000 MHz	21.1 dB/100m	25.6 dB/100m
1350 MHz	24.9 dB/100m	30 dB/100m
1750 MHz	28.8 dB/100m	34.5 dB/100m
2150 MHz	32.3 dB/100m	38.6 dB/100m
2400 MHz	34.4 dB/100m	41 dB/100m
3000 MHz	39.2 dB/100m	45.9 dB/100m

Attenuation Table Notes:	Maximum attenuation is 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.
35 Ohm/km (11 Ohm/1000ft)	13 Ohm/km (4.0 Ohm/1000ft)	53 pF/m (16 pF/ft)	75 Ohm	84%

Transfer Impedance

Frequency	Max. Transfer Impedance
5-30 MHz	2.5 mOhm/m

Screening

Frequency	Min. Screening Attenuation
30-1000 MHz	95
1000-2000 MHz	85
2000-3000 MHz	75

Screening Class:	A+
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Mechanical Characteristics

Temperature

Operating	Storage
-30°C To +70°C	-30°C To +70°C

Bend Radius

Stationary Min.
25 mm (0.98 in)

Bulk Cable Weight:	29 kg/km
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Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CENELEC Compliance:	EN 50117-1, EN 50117-9-2, EN 50290-2-20
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.202 Revision Date: 02-20-2026
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