



Product: [H123A00](#) 

H123A00 - Broadband Coax, H123, 22 AWG Solid BC, Foil + 45% TC Braid, PVC Jkt

Product Description

Broadband Coax, H123, 22 AWG Solid Bare Copper Conductor, PE Insulation, Duofoil® + 45% Tinned Copper Braid 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:	Mini 59
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	22 AWG	Solid	0.65 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	2.9 mm (0.11 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	45%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	4.15 mm

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

Regularity of Impedance:	Min. 40 dB
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Return Loss (RL)

Frequency	Min. Return Loss
5 - 30 MHz	20 dB
30 - 470 MHz	20 dB
470 - 862 MHz	18 dB
862 - 2400 MHz	16 dB

Table Notes:	In each frequency band, 3 peak values up to 4 dB lower are allowed
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Attenuation

Frequency	Nom. Attenuation
5 MHz	2.7 dB/100m
50 MHz	7.5 dB/100m
100 MHz	10 dB/100m
200 MHz	13.8 dB/100m

400 MHz	19.9 dB/100m
600 MHz	24.8 dB/100m
800 MHz	29 dB/100m
1000 MHz	32.5 dB/100m
1350 MHz	37.3 dB/100m
1600 MHz	40 dB/100m
1750 MHz	42.2 dB/100m
2150 MHz	47 dB/100m
2400 MHz	50.5 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.
55 Ohm/km (17 Ohm/1000ft)	37 Ohm/km (11 Ohm/1000ft)	54 pF/m (16 pF/ft)	75 Ohm	84%

Screening

Frequency	Min. Screening Attenuation
100 - 1000 MHz	80 dB

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-15°C To +70°C	-5°C To +50°C	-15°C To +70°C

Bend Radius

Stationary Min.
25 mm (0.98 in)

Bulk Cable Weight:	17.8 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
ISO/IEC Compliance:	IEC 61196
CENELEC Compliance:	EN 50117-1
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.208 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
H123A00.00U250	White	UnReel	250 m	8719605085955
H123A00.00500	White	Reel	500 m	8719605085924

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