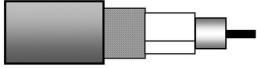




**Product:** [H155A00](#)



H155A01 - 50 Ohm Wireless Transmission Coax, H155, 16 AWG Stranded BC, Foil + 80% TC Braid, PVC Jkt

### Product Description

50 Ohm Wireless Transmission Coax, H155, 16 AWG Stranded Bare Copper Conductor, PE Insulation, Duofoil® + 80% Tinned 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:	58
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#### Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	16 AWG	19x0.28 mm	1.41 mm	BC - Bare Copper

#### Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	3.9 mm (0.15 in)

Table Notes:	Centricity min. 85%
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#### Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	80%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	5.4 mm

#### Electrical Characteristics

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

Frequency	Min. Return Loss
5 - 470 MHz	20 dB
470 - 1000 MHz	18 dB
1000 - 2000 MHz	16 dB
2000 - 6000 MHz	15 dB

#### Attenuation

Frequency	Nom. Attenuation	Max. Attenuation
5 MHz	2.5 dB/100m	
50 MHz	6.9 dB/100m	
100 MHz	9.1 dB/100m	
230 MHz	13.4 dB/100m	

400 MHz	18 dB/100m	
800 MHz	26.1 dB/100m	
862 MHz	27.3 dB/100m	
1000 MHz	29.6 dB/100m	
1350 MHz	34.9 dB/100m	
1750 MHz	40.3 dB/100m	
2150 MHz	46 dB/100m	
2400 MHz	49.1 dB/100m	
3000 MHz	56.3 dB/100m	
3600 MHz	62.9 dB/100m	
4200 MHz	69.1 dB/100m	0
4800 MHz	75.1 dB/100m	
5400 MHz	80.8 dB/100m	
6000 MHz	86.5 dB/100m	

#### Electricals

Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
84 pF/m (26 pF/ft)	50 Ohm	80%

#### Screening

Frequency	Min. Screening Attenuation
30-1000 MHz	85 dB

### Mechanical Characteristics

#### Temperature

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

Bulk Cable Weight: 40 kg/km

### Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2, UN ECE R118.03
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
CENELEC Compliance:	EN 50117-1EN 50117-9-2EN 50290-2-20
UK Regulation Compliance:	UKCA Mark

### History

Update and Revision: Revision Number: 0.212 Revision Date: 04-18-2023

### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	EAN
H155A00.00B50	Gray	Flat Box	50 m	8719605087881
H155A00.00B100	Gray	Flat Box	100 m	8719605087874
H155A00.00250	Gray	Reel	250 m	8719605087829
H155A00.00500	Gray	Reel	500 m	8719605087843

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