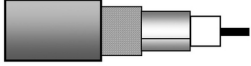




Product: [H155A02](#)



H155A02 - 50 Ohm Wireless Transmission Coax, H155, 16 AWG Stranded BC, Foil + 80% TC Braid, LSZH Jkt

Product Description

50 Ohm Wireless Transmission Coax, H155, 16 AWG Stranded Bare Copper Conductor, PE Insulation, Duofoil® + 80% Tinned Copper Braid Shield, LSZH 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

Element	Material	Nom. Insulation Diameter
Insulated Conductor	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
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.4 mm

Table Notes:	According to 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 - 470 MHz	20 dB
470 - 1000 MHz	18 dB
1000 - 2000 MHz	16 dB
2000 - 6000 MHz	15 dB

Attenuation

Frequency	Nom. 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
4800 MHz	75.1 dB/100m
5400 MHz	80.8 dB/100m
6000 MHz	86.5 dB/100m

Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
15.4 Ohm/km (4.69 Ohm/1000ft)	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
-30°C To +70°C	-5°C To +50°C	-30°C To +70°C

Max. Pull Tension: 100 N (22 lbf)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Dca
Flammability / Reaction to Fire:	IEC 60332-1-2, UN ECE R118.03
CPR Compliance:	CPR Euroclass: Dca-s1,d1,a1; CPR UKCA Class: Dca-s1,d1,a1
CENELEC Compliance:	EN 50117-1, EN 50117-9-2, EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision: Revision Number: 0.221 Revision Date: 04-18-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
H155A02.00500	Black	Reel	500 m	8719605189929

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