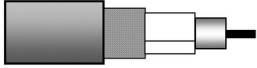




Product: [H155A00](#)



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)
------------------------	--

### Construction Details

RG Type:	58
----------	----

#### 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%
--------------	---------------------

#### 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
--------------------------	------------

#### 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

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.