



Product: [H125A00](#)

H125A00 - Broadband Coax, H125, 18 AWG Solid BC, Foil + 35% TC Braid, PVC Jkt

Product Description

Broadband Coax, H125, 18 AWG Solid Bare Copper Conductor, PE Insulation, Duofoil® + 35% Tinned Copper Braid Shield, PVC Jacket

Technical Specifications

Product Overview

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

Construction Details

RG Type:	6
----------	---

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	18 AWG	Solid	1 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	4.8 mm (0.19 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	35%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	6.8 mm

Table Notes:	According to EN 50290-2-20
--------------	----------------------------

Electrical Characteristics

Regularity of Impedance:	Min. 40 dB
--------------------------	------------

Return Loss (RL)

Frequency	Min. Return Loss
5 - 470 MHz	23 dB
470 - 1000 MHz	20 dB
1000 - 2000 MHz	18 dB
2000-3000 MHz	16 dB

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

Attenuation

Frequency	Nom. Attenuation
5 MHz	1.8 dB/100m
50 MHz	4.7 dB/100m
100 MHz	6.5 dB/100m
200 MHz	9.1 dB/100m

230 MHz	9.8 dB/100m
400 MHz	12.9 dB/100m
600 MHz	16 dB/100m
800 MHz	18.6 dB/100m
862 MHz	19.3 dB/100m
1000 MHz	20.9 dB/100m
1350 MHz	24.6 dB/100m
1750 MHz	28.4 dB/100m
2400 MHz	34 dB/100m
3000 MHz	38.6 dB/100m

Table Notes:	Max. attenuation 10% higher
--------------	-----------------------------

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
23 Ohm/km (7.0 Ohm/1000ft)	27 Ohm/km (8.2 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	81%

Transfer Impedance

Max. Transfer Impedance
40 mOhm/m

Transfer Impedance Class:	C
---------------------------	---

Screening

Frequency	Min. Screening Attenuation
100 - 1000 MHz	75 dB

Screening Class:	B
------------------	---

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C To +70°C	-5°C To +50°C	-40°C To +70°C

Bend Radius

Stationary Min.
35 mm (1.4 in)

Standards and Compliance

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

History

Update and Revision:	Revision Number: 0.209 Revision Date: 03-30-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
H125A00.01100	Black	Reel	100 m	8719605086341
H125A00.01B100	Black	Flat Box	100 m	8719605086372
H125A00.01U250	Black	UnReel	250 m	8719605086389
H125A00.01500	Black	Reel	500 m	8719605086358
H125A00.00100	White	Reel	100 m	8719605086242
H125A00.00B100	White	Flat Box	100 m	8719605086310
H125A00.00U150	White	UnReel	150 m	8719605086327
H125A00.00250	White	Reel	250 m	8719605086273
H125A00.00U250	White	UnReel	250 m	8719605086334
H125A00.00500	White	Reel	500 m	8719605086280

© 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.