



Product: [H125A01](#) 

H125A01 - Broadband Coax, H125, 18 AWG Solid BC, Foil + 35% TC Braid, PE Jkt

Product Description

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

Max. Pull Tension:	55 N (12 lbf)
--------------------	---------------

Standards and Compliance

Environmental Suitability:	Outdoor
CENELEC Compliance:	EN 50117-1, EN 50117-10-2, EN 50290-2-20
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.205 Revision Date: 02-03-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
H125A01.00100	Black	Reel	100 m	8719605086495
H125A01.00B100	Black	Flat Box	100 m	8719605086532
H125A01.00250	Black	Reel	250 m	8719605086501
H125A01.00500	Black	Reel	500 m	8719605086518
H125A01.005000	Black	Reel	5,000 m	8719605086525

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.