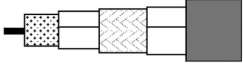




Product: [H125D00](#)

H125D00 - Broadband Coax, H125D, 18 AWG Solid BC, Tri-shield, PVC Jkt



Product Description

Broadband Coax, H125D, 18 AWG Solid Bare Copper Conductor, PE Insulation, Duofoil + 65% Tinned Copper Braid + Foil Shield, PVC Jacket

Technical Specifications

Product Overview

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

RG Type:	6
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Conductor

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

Insulation

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

Table Notes:	Gas Injected
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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)	63%
3	Tape	Bi-Laminate (Alum+Poly)	100%

Table Notes:	Foil Tape has L-Fold and is Bonded to sheath
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Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	7.1 mm

Table Notes:	According to European Standard EN 50290-2-20
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Electrical Characteristics

Regularity of Impedance:	40 dB
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Return Loss (RL)

Frequency	Min. Return Loss
30-470 MHz	23 dB
470-1000 MHz	20 dB
1000-2000 MHz	18 dB
2000-3000 MHz	16 dB

Table Notes:	Max. 3 peak values 3 dB lower than specified
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Attenuation

Frequency	Nom. Attenuation
5 MHz	1.7 dB/100m

50 MHz	4.7 dB/100m
100 MHz	6.2 dB/100m
200 MHz	8.9 dB/100m
400 MHz	12.9 dB/100m
600 MHz	16.0 dB/100m

Table Notes: Maximum attenuation is 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)	14 Ohm/km (4.3 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	80%

Transfer Impedance

Frequency	Max. Transfer Impedance
5-30 MHz	max. 5 mOhm/m

Screening

Frequency	Min. Screening Attenuation
100-1000 MHz	95

Screening Class: A

Mechanical Characteristics

Temperature

Operating	Storage
-40°C To +70°C	-40°C To +70°C

Bend Radius

Stationary Min.
35 mm (1.4 in)

Max. Pull Tension:	60 N (13 lbf)
Bulk Cable Weight:	49 kg/km

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CENELEC Compliance:	EN 50117-1
UK Regulation Compliance:	UKCA Mark

History

Update and Revision: Revision Number: 0.203 Revision Date: 08-01-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
H125D00.01U250	Black	UnReel	250 m	8719605123275
H125D00.01500	Black	Reel	500 m	8719605123282
H125D00.00B100	White	Flat Box	100 m	8719605087072
H125D00.00U250	White	UnReel	250 m	8719605087089
H125D00.00500	White	Reel	500 m	8719605087065

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