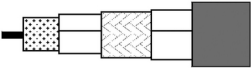




Product: [H126D03](#)

H126D02 - Broadband Coax, H126D, 18 AWG Solid BC, Tri-shield, LSZH Jkt



Product Description

Broadband Coax, H126D, 18 AWG Solid Bare Copper Conductor, PE Insulation, Duofoil + 50% Tinned Copper Braid + Foil Shield, LSZH 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)	4.57 mm (0.180 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	45%
3	Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.9 mm

Table Notes:	According to European Standard 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 - 3000 MHz	15 dB

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

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

230 MHz	9.8 dB/100m
400 MHz	13 dB/100m
800 MHz	18.7 dB/100m
862 MHz	19.5 dB/100m
1000 MHz	21.1 dB/100m
1350 MHz	24.9 dB/100m
1750 MHz	28.8 dB/100m
2150 MHz	32.3 dB/100m
2400 MHz	34.4 dB/100m
3000 MHz	39.2 dB/100m

Table Notes:	Max. attenuation 10% higher
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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)	54 pF/m (16 pF/ft)	75 Ohm	82%

Transfer Impedance

Max. Transfer Impedance
Max. 4.5 mOhm/m

Screening

Frequency	Min. Screening Attenuation
30 - 1000 MHz	100 dB
1000 - 2000 MHz	100 dB
2000 - 3000 MHz	100 dB

Screening Class:	A
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Mechanical Characteristics

Temperature

Operating	Installation	Storage
-30°C To +70°C	-5°C To +50°C	-30°C To +70°C

Bend Radius

Stationary Min.
65 mm (2.6 in)

Bulk Cable Weight:	48 kg/km
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Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Dca
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24
CPR Compliance:	CPR Euroclass: Dca-s1,d1,a1
CENELEC Compliance:	EN 50117-1EN 50117-9-2EN 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
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.219 Revision Date: 03-30-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
H126D03.00B100	White	Flat Box	100 m	8719605087478
H126D03.00500	White	Reel	500 m	8719605087447

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