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Product: 1525A

Broadband Coax, Series 11, 14 AWG Solid BCCS, Foil + 60% AL Braid, PE Jkt, Waterblocked

Product Description

Broadband Coax, Series 11, 14 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, Foil + 60% Aluminum Braid Shield, PE Jacket, Waterblocked

Technical Specifications

Product Overview

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

Construction Details

Series Type:	11

Conductor

Size	Stranding	Nom. Diameter	Material
14 AWG	Solid	0.064 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.280 in (7.11 mm)	White

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duobond® II	100%
2	Braid	Aluminum		60%

Waterblocking:	Grease

Outer Jacket

Material	Nom. Diameter
PE - Polyethylene	0.393 in (9.98 mm)

Overall Cable Diameter (Nominal):	0.393 in (9.98 mm)

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Structural Return Loss
5 - 1000 MHz	20 dB

Attenuation

Frequency	Max. Attenuation
5 MHz	0.38 dB/100ft
55 MHz	0.96 dB/100ft
211 MHz	1.90 dB/100ft
250 MHz	2.05 dB/100ft
270 MHz	2.13 dB/100ft
300 MHz	2.25 dB/100ft
330 MHz	2.35 dB/100ft
350 MHz	2.42 dB/100ft

400 MHz	2.47 dB/100ft
450 MHz	2.75 dB/100ft
500 MHz	2.90 dB/100ft
550 MHz	3.04 dB/100ft
600 MHz	3.18 dB/100ft
750 MHz	3.65 dB/100ft
870 MHz	3.84 dB/100ft
1000 MHz	4.35 dB/100ft

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Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
12 Ohm/1000ft	4.1 Ohm/1000ft (13 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-55°C to +80°C

Bend Radius

Installation Min.
4.5 in (110 mm)

Max. Pull Tension:	199 lbs (90.3 kg)
Bulk Cable Weight:	44 lbs/1000ft (65 kg/km)

Standards and Compliance

Environmental Suitability:	Outdoor - Water Exposure, Outdoor, UV Resistance, Aerial - When supported by messenger wire, Burial
Sustainability:	CA Prop 65
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ANSI/SCTE 74

History

Update and Revision:	Revision Number: 0.506 Revision Date: 04-29-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1525A 0101000	Black	Reel	1,000 ft	612825316435
1525A 0031000	Orange	Reel	1,000 ft	612825117162

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