



Product: [1152A](#)

Broadband Coax, Series 6, 18 AWG Solid BCCS, Quad Shield, FEP Jkt, CMP

Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 60% Tinned Copper Braid + Foil + 40% Tinned Copper Braid Shield, FEP Jacket, CMP

Technical Specifications

Product Overview

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

Series Type:	6
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Conductor

AWG	Stranding	Nom. Diameter	Material
18	Solid	0.040 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in

Outer Shield Material

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duobond® II	100%
2	Braid	Tinned Copper (TC)		60%
3	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	60%
4	Braid	Tinned Copper (TC)		40%

Outer Jacket Material

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.273 in

Electrical Characteristics

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss [dB]
5 - 400 MHz	20 dB

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.3 dB/100ft
10 MHz	0.66 dB/100ft
50 MHz	1.6 dB/100ft
100 MHz	2.2 dB/100ft
200 MHz	3.0 dB/100ft
400 MHz	4.6 dB/100ft
700 MHz	6.6 dB/100ft

900 MHz	7.7 dB/100ft
1000 MHz	8.2 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance
28 Ohm/1000ft	1.8 Ohm/1000ft	16.5 pF/ft	75 Ohm

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

Operating
-70°C to +200°C

Bend Radius

Installation Min.
2.7 in

Bulk Cable Weight:	45 lbs/1000ft
Max. Pull Tension:	192 lbs

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor, Outdoor, Burial
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ANSI/SCTE 74

Product Notes

Notes:	For use in indoor plenum environments but also suitable for outdoor and underground applications.
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History

Update and Revision:	Revision Number: 0.337 Revision Date: 08-25-2020
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