



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

RG Type:	6
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#### Conductor

Element	Size	Stranding	Nom. Diameter	Material
Coax(es)	18 AWG	Solid	0.040 in	BCCS - Bare Copper Covered Steel

#### Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in (4.32 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	Tinned Copper (TC)		60%
3	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
4	Braid	Tinned Copper (TC)		45%

#### Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.273 in (6.93 mm)

Overall Cable Diameter (Nominal):	0.273 in (6.93 mm)
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#### Electrical Characteristics

##### Return Loss (RL)

Frequency	Min. Structural Return Loss
10 - 400 MHz	20 dB

##### Attenuation

Frequency	Nom. Attenuation
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. Characteristic Impedance	Nom. Velocity of Prop.
28 Ohm/1000ft (92 Ohm/km)	1.8 Ohm/1000ft (5.9 Ohm/km)	16.5 pF/ft (54.1 pF/m)	75 Ohm	82%

#### Voltage

UL Voltage Rating
300 V (CMP), (CMP)

## Mechanical Characteristics

#### Temperature

UL Temperature	Operating
200°C	-70°C to +200°C

#### Bend Radius

Stationary Min.	Installation Min.
2.75 in (69.9 mm)	2.75 in (69.9 mm)

Max. Pull Tension:	192 lbs (87.1 kg)
Bulk Cable Weight:	45 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor, Outdoor, Aerial - When supported by messenger wire, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262, FT6
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
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)
UK Regulation Compliance:	UKCA Mark
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: 0.464 Revision Date: 04-29-2024
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## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1152A A8R500	Beige, Snow	Reel	500 ft	612825107491	C
1152A A8R1000	Beige, Snow	Reel	1,000 ft	612825107484	C

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