



**Product:** [1153A](#)



CATV Video, RG11 Type, 14 AWG BCCS, Quad Shield (Foil + 60% Braid + Foil + 40% Braid), CMP

### Product Description

14 AWG solid .064" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage) + TC braid shields (60% and 40% coverage), FEP jacket.

### Technical Specifications

Min. Bend Radius/Minor Axis:	3.9 in
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### Standards

NEC/(UL) Compliance:	CL2P, CMP
CEC/C(UL) Compliance:	CMP
RG Type:	11
Series Type:	11

### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	Yes
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	UPC
1153A A8R500	Beige, Snow	Reel	500 ft	612825107514
1153A A8R1000	Beige, Snow	Reel	1,000 ft	612825107507

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.372 Revision Date: 04-14-2023

## Product Overview

Suitable Applications: CATV, Broadband

## Physical Characteristics (Overall)

### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BCCS - Bare Copper Covered Steel	0.064 in	1

Conductor Count: 1

### Insulation

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.28 in

### Outer Shield

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

### Outer Jacket

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	Teflon®	0.387 in

## Electrical Characteristics

### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
11 Ohm/1000ft	1.8 Ohm/1000ft	1.8 Ohm/1000ft

### Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

### Inductance

Nominal Inductance
0.093 µH/ft

### Impedance

Nominal Characteristic Impedance
75 Ohm

### Return Loss (RL)

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

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.2 dB/100ft
10 MHz	0.39 dB/100ft
50 MHz	1.2 dB/100ft
100 MHz	1.7 dB/100ft
200 MHz	2.5 dB/100ft
400 MHz	3.5 dB/100ft
700 MHz	4.6 dB/100ft
900 MHz	5.3 dB/100ft
1000 MHz	5.6 dB/100ft

## Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82%

## Voltage

UL Voltage Rating
300 V RMS

## Temperature Range

Non-UL Temp Rating:	200°C
Operating Temperature Range:	-70°C To +200°C

## Mechanical Characteristics

Bulk Cable Weight:	94 lbs/1000ft
Max. Pull Tension:	212 lbs

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