

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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**1152A Coax - CATV Cable**



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## General Description:

18 AWG solid .040" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage) + TC braid shield (60% and 40% coverage), FEP jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	TC - Tinned Copper	40

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

## Overall Cable

Overall Nominal Diameter: 0.273 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 45 lbs/1000 ft.

Max. Recommended Pulling Tension: 137 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Series Type:	Series 6

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### Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

### Plenum/Non-Plenum

Plenum (Y/N): Yes

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)  
75

#### Nom. Inductance:

Inductance (pH/ft)  
.093

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)  
16.5

#### Nominal Velocity of Propagation:

VP (%)  
82

#### Nominal Delay:

Delay (ns/ft)  
1.24

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
28.0

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
1.8

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.3
10	.66
50	1.6
100	2.2
200	3.0
400	4.6
700	6.6
900	7.7
1000	8.2

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	400	20

### Notes (Overall)

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1152A A8R1000	1,000 FT	49.000 LB	BEIGE, SNOW	C	#18 RG 6/U COAX
1152A A8R500	500 FT	26.000 LB	BEIGE, SNOW	C	#18 RG 6/U COAX

#### Notes:

C = CRATE REEL PUT-UP.

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