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1-800-Belden1



## 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. (mm)
1	18	Solid	BCCS - Bare Copper Covered Steel	1.016

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam Fluorinated Ethylene Propylene	4.318

### 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: 6.934 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 66.969 Kg/Km

Max. Recommended Pulling Tension: 609.403 N

Min. Bend Radius/Minor Axis: 69.850 mm

## 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

### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/m)

0.305133

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

54.1365

#### Nominal Velocity of Propagation:

VP (%)

82

#### Nominal Delay:

Delay (ns/m)

4.06844

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

91.868

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

5.9058

#### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1	0.9843
10	2.16546
50	5.2496
100	7.2182
200	9.843
400	15.0926
700	21.6546
900	25.2637
1000	26.9042

#### 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
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## 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	305 MT	22.226 KG	BEIGE, SNOW	C	#18 RG 6/U COAX
1152A A8R500	152 MT	11.793 KG	BEIGE, SNOW	C	#18 RG 6/U COAX

**Notes:**

C = CRATE REEL PUT-UP.

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