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1-800-Belden1



### General Description:

18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (60% and 40% coverage), PVC 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.)
Gas-injected FPE - Foam Polyethylene	.180

#### Outer Shield

Outer Shield Material:

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

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.294 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Bulk Cable Weight: 29 lbs/1000 ft.

Max. Recommended Pulling Tension: 162 lbs.

Min. Bend Radius/Minor Axis: 3 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/(UL) Specification: CM

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): 01/01/2004

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: UL1685 UL Loading

### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 1189AP

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)  
75

#### Nom. Inductance:

Inductance (µH/ft)  
.097

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)  
16.2

#### Nominal Velocity of Propagation:

VP (%)  
83

#### Nominal Delay:

Delay (ns/ft)  
1.2

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
28.0

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
4.8

#### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	.67
55	1.60
211	2.87
270	3.24
300	3.43
350	3.72
400	4.00
450	4.26
550	4.71
750	5.59
870	6.00
1000	6.54

#### 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	1000	20

### Sweep Test

Sweep Testing: 5 MHz - 1 GHz

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1189A 009U1000	1,000 FT	34.000 LB	WHITE		#18 GIFHDLDPPE DBL SH PVC
1189A 009U500	500 FT	18.000 LB	WHITE		#18 GIFHDLDPPE DBL SH PVC
1189A 009I1000	1,000 FT	34.000 LB	WHITE	C	#18 GIFHDLDPPE DBL SH PVC
1189A 010U1000	1,000 FT	34.000 LB	BLACK		#18 GIFHDLDPPE DBL SH PVC .
1189A 010U500	500 FT	18.000 LB	BLACK		#18 GIFHDLDPPE DBL SH PVC
1189A 010I1000	1,000 FT	34.000 LB	BLACK		#18 GIFHDLDPPE DBL SH PVC .
1189A 010S000	5,000 FT	185.000 LB	BLACK		#18 GIFHDLDPPE DBL SH PVC
1189A 290I1000	1,000 FT	34.000 LB	BEIGE, LIGHT		#18 GIFHDLDPPE DBL SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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