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1-800-Belden1



## General Description:

18 AWG solid .040" bare copper-covered steel conductor, foam FEP 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.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

### 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 Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.248 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 29 lbs/1000 ft.

Max. Recommended Pulling Tension: 162 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CATVP

CEC/(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): 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: UL910 Plenum

### Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 1189A

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)  
75

#### Nom. Inductance:

Inductance (µH/ft)  
.097

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)  
16.3

#### Nominal Velocity of Propagation:

VP (%)  
83

#### Nominal Delay:

Delay (ns/ft)  
1.220

#### 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

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.400
10.000	0.700
50.000	1.600
100.000	2.100
200.000	3.000
400.000	4.300
700.000	6.000
750.000	6.300
900.000	7.000
1000.000	7.500

#### 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
1189AP 8771000	1,000 FT	32.000 LB	NATURAL	C	RG-6 PLENUM QUAD SH

#### Notes:

C = CRATE REEL PUT-UP.

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## **1189AP Coax - Broadband CATV Coaxial Cable**

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