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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. (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	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: 6.299 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 43.158 Kg/Km

Max. Recommended Pulling Tension: 720.608 N

Min. Bend Radius/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CATVP

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):	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
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1189A

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.4803

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/m)
4.003

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
91.868

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
15.7488

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.312
10.000	2.297
50.000	5.250
100.000	6.890
200.000	9.843
400.000	14.108
700.000	19.686
750.000	20.670
900.000	22.967
1000.000	24.608

Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
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METRIC MEASUREMENT VERSION

1189AP Coax - Broadband CATV Coaxial Cable

		5	1000	20
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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.

Revision Number: 5 Revision Date: 04-06-2015

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