

## 89120 Coax - CATV Cable

For more Information  
please call

1-800-Belden1

**General Description:**

18 AWG solid .040" bare copper-covered steel conductor, foam FEP insulation, Duofoil® (100% coverage) plus a tinned copper braid shield (95% 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	95

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

**Overall Cable**

Overall Nominal Diameter: 5.944 mm

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 63.993 Kg/Km

Max. Recommended Pulling Tension: 627.196 N

Min. Bend Radius/Minor Axis: 63.500 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CATVP, CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (RoHS II): Yes

EU CE Mark: No

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
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Series Type:	Series 6
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**Flame Test**

UL Flame Test:	NFPA 262
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CSA Flame Test:	FT6
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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Plenum Number:	87120, 82120
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
75

**Nom. Inductance:**

Inductance (μH/m)
0.29529

**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)
5.5777

**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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89120 0101000	1,000 FT	46.000 LB	BLACK	C	#18 FFEP SH FEP
89120 010500	500 FT	23.000 LB	BLACK	C	#18 FFEP SH FEP

**Notes:**

C = CRATE REEL PUT-UP.

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