

## 9116P Coax - Broadband Coax CATV Cable



For more information please  
call

1-800-Belden1

See Put-ups and Colors

### Description:

18 AWG solid .040" bare copper-covered steel conductor, foam FEP insulation, Duobond® II and a 60% aluminum braid shield, Flamarrest® jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 6
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BCCS - Bare Copper Covered Steel

#### INSULATION:

Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.170 in.

#### OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/Braid

#### Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60

Outer Shield % Coverage	100 %
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#### OUTER JACKET:

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

#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.235 in.
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#### MECHANICAL CHARACTERISTICS:



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Operating Temperature Range	-20°C To +75°C
Bulk Cable Weight	25 lbs/1000 ft.
Max. Recommended Pulling Tension	126 lbs.
Min. Bend Radius (Install)	3 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CATVP, CMP
CEC/C(UL) Specification	CMP

**FLAME TEST:**

UL Flame Test	UL910 Steiner Tunnel
CSA Flame Test	FT6

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	Y
Plenum Number	9116, 9116N, 9116R

**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.09 µH/ft
Nom. Capacitance Conductor to Shield	16.3 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.24 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	28.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance	9 Ohms/1000 ft

**Minimum Structural Return Loss :**

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	1000	20

**Nom. Attenuation :**

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.3
	10			.66
	50			1.6
	100			2.2
	200			3.0
	400			4.6
	700			6.6
	900			7.7
	1000			8.2

Max. Operating Voltage - UL	300 V RMS
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**NOTES:**



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Notes Sweep tested 5 MHz to 1 GHz

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9116P 8771000	#18 FFEP RG6/U FLRST	1000	28	NATURAL	C
9116P 877U1000	#18 FFEP RG6/U FLRST	U1000	28	NATURAL	Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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