

## 7916AP Coax - DBS Cable

For more Information  
please call

1-800-Belden1

**Description:**

18 AWG solid bare copper conductor, foam FEP insulation, Duobond® IV Quad shield, Flamarrest® jacket.

**Usage (Overall)**

Suitable Applications: Satellite Dish, KU Band

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BC - Bare Copper	.0403

**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:	39 lbs/1000 ft.
Max. Recommended Pulling Tension:	137 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

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

NEC/(UL) Specification:	CMP, CATVP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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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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Non-Plenum Number:	7916A
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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.097
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.3
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**Nominal Velocity of Propagation:**

VP (%)
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83
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**Nominal Delay:**

Delay (ns/ft)
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1.24
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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6.4
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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4.8
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	.3
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10	.66
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50	1.6
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100	2.2
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200	3.0
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400	4.6
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700	6.6
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900	7.7
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1000	8.2
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**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Minimum Structural Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
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5	1000	20
1000	2250	15
2250	3000	10

**Sweep Test**

**Sweep Testing:** 5 MHz - 3 GHz

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7916AP 877U1000	1,000 FT	31.000 LB	NATURAL		#18 FFEP DBSH FLRST
7916AP 8771000	1,000 FT	32.000 LB	NATURAL	C	#18 FFEP DBSH FLRST

**Notes:**

C = CRATE REEL PUT-UP.

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