

## 1829P Coax - DBS Cable

For more Information  
please call

1-800-Belden1

**Description:**

18 AWG solid .040" bare copper-covered steel conductor, foam FEP insulation, Duobond® II (100% coverage) and an aluminum braid shield (60% coverage), Flammarrest® jacket.

**Usage (Overall)**

Suitable Applications: Dish, Satellite, KU Band

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

**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

**Outer Jacket**

Outer Jacket Material:

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

**Overall Cable**

Overall Nominal Diameter: 0.235 in.

**Mechanical Characteristics (Overall)**

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)/Minor Axis: 3 in.

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

NEC/(UL) Specification: CATVP, CMP

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): 05/10/2005

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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Non-Plenum Number:	1829A
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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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.09
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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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28.0
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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9
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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	1.5
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100	2.1
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200	3.0
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400	4.4
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700	6.1
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900	7.2
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1000	7.6
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1450	9.6
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1800	11
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2250	12.7
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3000	15.1
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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)
5	2500	15
2500	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
1829P 877U1000	1,000 FT	27.000 LB	NATURAL		#18 FFEP SH FLRST
1829P 8771000	1,000 FT	27.000 LB	NATURAL		#18 FFEP SH FLRST

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