Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1829P Coax - DBS Cable

For more Information please call

1-800-Belden1



General Description:

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

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

Outer Shield

Outer Shield Material:

Layer # Outer Shield Trade Name Ty		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
Flamarrest®	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/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 Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

Page 1 of 3 02-14-2013

Detailed Specifications & Technical Data





1829P Coax - DBS Cable

EU Direct	ive 2002/95/EC (RoHS):	Yes
EU RoHS	Compliance Date (mm/dd/yyyy):	05/10/2005
EU Direct	ive 2002/96/EC (WEEE):	Yes
EU Direct	ive 2003/11/EC (BFR):	Yes
CA Prop	65 (CJ for Wire & Cable):	Yes
MII Order	#39 (China RoHS):	Yes
Series Ty	pe:	Series 6
Flame Test		
UL Flame	Test:	NFPA 262
CSA Flan	ne Test:	FT6
Plenum/Nor	-Plenum	
Plenum (Y/N):	Yes
Non-Plen	um Number:	1829A

Electrical Characteristics (Overall)

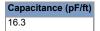
Nom. Characteristic Impedance:

Impedance	(Ohm)
75	

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.3
10	.66
50	1.5
100	2.1
200	3.0
400	4.4
700	6.1
900	7.2
1000	7.6
1450	9.6
1800	11
2250	12.7
3000	15.1

Page 2 of 3 02-14-2013

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1829P Coax - DBS Cable

Max. Operating Voltage - UL:

300 V RMS

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

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

Revision Number: 1 Revision Date: 05-14-2007

© 2013 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.