Detailed Specifications & Technical Data

METRIC 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:

# Co	ax AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BCCS - Bare Copper Covered Steel	1.016

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (mm)	
FFEP - Foam Fluorinated Ethylene Propylene	4.318	

Outer Shield

Outer Shield Material:

1	Layer#	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
ľ	1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2	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: 5.969 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	37.205 Kg/Km
Max. Recommended Pulling Tension:	560.473 N
Min. Bend Radius/Minor Axis:	76.200 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:	Yes
EU Directive 2000/53/EC (ELV):	Yes

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Yes
05/10/2005
Yes
Yes
Yes
Yes
Series 6
NFPA 262
FT6
Yes
1829A

Electrical Characteristics (Overall)

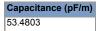
Nom. Characteristic Impedance:



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/100m)
1	0.9843
10	2.16546
50	4.9215
100	6.8901
200	9.843
400	14.4364
700	20.0141
900	23.6232
1000	24.9356
1450	31.4976
1800	36.091
2250	41.6687
3000	49.5431

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