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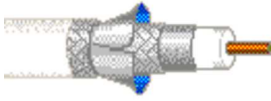
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Part Number: 7916AP

DBS Cable, RG6, 18 AWG BC, Quad Shield, CMP



Product Description

18 AWG solid bare copper conductor, foam FEP insulation, Duobond® IV Quad shield (60% and 40% braid coverage), Flammarrest® jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	Satellite Dish, KU Band

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1

Conductor Count:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.17 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		60 %
Tape	3	Aluminum/Polyester/Aluminum	Duofoil®	100 %
Braid	4	AL - Aluminum		40 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flammarrest®	0.248 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	4.8 Ohm/1000ft	4.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Shielding:	Multiple or Specialty
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Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance

75 Ohm

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5 - 1000 MHz	20 dB
1000 - 2250 MHz	15 dB
2250 - 3000 MHz	10 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.6 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3 dB/100ft
400 MHz	4.3 dB/100ft
700 MHz	6.0 dB/100ft
900 MHz	7.0 dB/100ft
1000 MHz	7.5 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	83 %

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1000 MHz	9 dB/100ft

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-20°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	29 lbs/1000ft
Max Recommended Pulling Tension:	137 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CATVP, CMP
CEC/C(UL) Specification:	CMP
RG Type:	6/U Type
Series Type:	Series 6
RG / Series Type:	Series 6

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	7916A
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Variants

Item #	Color	Footnote
7916AP 8771000	Natural	C
7916AP 877U1000	Natural	

Footnote:	C - CRATE REEL PUT-UP.
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