



Product: [1841A](#)



DBS Cable, Dual RG6, 18 AWG BCCS, Foil + Braid, CM

Product Description

Series 6 (RG6/U type Dual Coax), 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II, Al. braid shield (60% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BCCS - Bare Copper Covered Steel	0.04 in	2

Conductor Count: 2

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in

Table Notes: Gas Injected

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Aluminum		60%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.273 x 0.595 in

Electrical Characteristics

Conductor DCR		
Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
28 Ohm/1000ft	9 Ohm/1000ft	9 Ohm/1000ft
Capacitance		
Nom. Capacitance Conductor to Shield		
16.2 pF/ft		
Inductance		
Nominal Inductance		
0.097 µH/ft		
Impedance		
Nominal Characteristic Impedance		
75 Ohm		
Return Loss (RL)		
Frequency [MHz]	Min. Structural Return Loss (SRL)	

950 - 2250 MHz	15 dB
2250 - 3000 MHz	10 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
5 MHz	0.5 dB/100ft
55 MHz	1.4 dB/100ft
211 MHz	2.6 dB/100ft
500 MHz	4.1 dB/100ft
750 MHz	5.1 dB/100ft
862 MHz	5.5 dB/100ft
1000 MHz	6 dB/100ft
1450 MHz	7.8 dB/100ft
1800 MHz	8.6 dB/100ft
2250 MHz	9.8 dB/100ft
3000 MHz	11.3 dB/100ft

Delay

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

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.58 dB/100ft
55 MHz	1.6 dB/100ft
211 MHz	3.05 dB/100ft
500 MHz	4.66 dB/100ft
750 MHz	5.65 dB/100ft
862 MHz	6.1 dB/100ft
1000 MHz	6.55 dB/100ft
1450 MHz	8 dB/100ft
1800 MHz	8.8 dB/100ft
2250 MHz	10 dB/100ft
3000 MHz	11.9 dB/100ft

Voltage

Non-UL Voltage Rating
350 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temperature Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	56 lbs/1000ft
Max. Pull Tension:	252 lbs
Min. Bend Radius/Minor Axis:	3 in

Standards

NEC/(UL) Compliance:	CATV, CM
CEC/C(UL) Compliance:	CM
CPR Euroclass:	Eca
RG Type:	6
Series Type:	6

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes

EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1841A 0101000	Black	Reel	1,000 ft	612825124351

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.431 Revision Date: 04-14-2023
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