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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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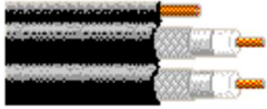
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Part Number: 1840A

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



Product Description

Series 6, 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

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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Physical Characteristics (Overall)

Conductor

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

Conductor, Table Note:	Corrosion Resistance
Conductor Count:	2
Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.18 in

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.273 x 0.703 in

Construction and Dimensions

Static Ground:	BCCS - Bare Copper Covered Steel
Static Ground Diameter:	0.045 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	
Shielding:	Multiple or Specialty

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 Freq

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 Temp Range: -40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 69 lbs/1000ft

Max Recommended Pulling Tension: 195 lbs

Min Bend Radius/Minor Axis: 3 in

Standards

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:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
1840A 0101000	Black	C
1840A 010500	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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