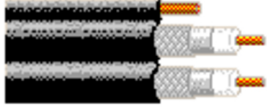


Part Number: 1840AC

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



Product Description

Series 6, 18 AWG solid .040" bare copper conductor, gas-injected foam polyethylene insulation, Duobond® II plus an aluminum 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	BC - Bare Copper	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
6.4 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
1840AC 010500	Black	C
1840AC 008500	Gray	C
1840AC 009500	White	C

Footnote:	C - CRATE REEL PUT-UP.
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