



Product: [7915A](#)

DBS Cable, RG6, 18 AWG BC, Tri Shield, CM

Product Description

18 AWG solid .040" bare copper conductor, gas-injected foam polyethylene insulation, Duobond® aluminum braid shield (77% coverage), PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	HDTV, DBS, Broadband CATV, Cable Modem
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in

Insulation, Table Note:	Gas Injected
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Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Bonded Duofoil®	100 %
Braid	2	Aluminum		77 %
Tape	3	Alum / Poly	Bonded Duofoil®	100 %

Outer Shield Table Note:	Tape has shorting fold and is bonded to jacket
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Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.275 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	4.6 Ohm/1000ft	4.6 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)
5-1000 MHz	20 dB
1000-2250 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

Screening

Frequency [MHz]	Shield Effectiveness
5 MHz	
50 MHz	125 dB
50 MHz	
1000 MHz	

Voltage

UL Voltage Rating
350 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	32 lbs/1000ft
Max Recommended Pulling Tension:	91 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC/(UL) Specification:	CATV, CM
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CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca
RG Type:	6/U Type
Series Type:	Series 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 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):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	350 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
7915A 010500	Black	Reel	500 ft	612825190974
7915A 010U500	Black	UnReel	500 ft	612825191032
7915A 0101000	Black	Reel	1,000 ft	612825191018
7915A 010U1000	Black	UnReel	1,000 ft	612825190998
7915A 010N1000	Black	Reel w/Small Barrel	1,000 ft	612825190981
7915A 009500	White	Reel	500 ft	612825190936
7915A 009U500	White	UnReel	500 ft	612825191001
7915A 0091000	White	Reel	1,000 ft	612825190967
7915A 009U1000	White	UnReel	1,000 ft	612825190943

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.289 Revision Date: 04-28-2020
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