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1-800-Belden1



General Description:

18 AWG solid .037" silver-coated copper-covered steel conductor, plenum, TFE Teflon® insulation, silver-coated copper braid shield (95% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	SCCCS - Silver-coated Copper-covered Steel	0.9398

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	2.9464

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SCC - Silver-coated Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 4.318 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

UL Temperature Rating: 200°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 498.198 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2P

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-DTL-17, M17/111
RG Type:	303/U

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/m)

0.219827

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

95.149

Nominal Velocity of Propagation:

VP (%)

70

Nominal Delay:

Delay (ns/m)

4.85588

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

53.4803

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

14.1083

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1	0.9843
10	3.6091
50	8.8587
100	12.7959
200	18.3736
400	26.9042
700	36.091
900	41.0125
1000	44.2935

Max. Operating Voltage - UL:

Voltage

150 V RMS

Max. Operating Voltage - Other:

Voltage Description

1400 V RMS	MIL
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Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
84303 0011000	1,000 FT	31.000 LB	BROWN	C E	RG303 COAX
84303 001500	500 FT	16.000 LB	BROWN	C E	RG303 COAX

Notes:

C = CRATE REEL PUT-UP.

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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