

83242

Part Number: 83242



Product Description

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

Product Specifications

Conductor

Total Number of Conductors:	1
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Technical Specifications

APAC Standard

Mill Order #39 (China RoHS):	Yes
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Bend Radius

Min Bend Radius/Minor Axis:	2 in
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CCB-Part Number

Notes:	Non-SWR swept version of RG-142. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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CCB-Sub-Part Number

Plenum (Y/N):	Yes
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Contact Information

PHONE_NUM:	1-800-Belden1
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EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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Environmental Characteristics

Operating Temp Range:	-70°C To +200°C
Suitability - Indoor:	Yes

EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
Military Specification:	MIL-DTL-17H, M17/158-00001
NEC/(UL) Specification:	CMP
RG Type:	142B/U

Safety

UL Flammability:	NFPA 262
CSA Flammability:	FT6

Temperature Range

UL Temp Rating:	200°C
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Use

Max Recommended Pulling Tension:	146 lbs
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Impedance:

Nominal Characteristic Impedance

50 Ohm

Inductance:

Nominal Inductance

0.067 μ H/ft

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
19.3 Ohm/1000ft	2.3 Ohm/1000ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP)
1.48 ns/ft	0.7 %

Voltage:

Description	UL Voltage Rating	Voltage Rating
Military	150V RMS	1400V RMS dB

Capacitance:

Nominal Capacitance Conductor to Shield
29 pF/ft

High Frequency (Nominal/Typical):

Frequency (MHz)	Nom. Insertion Loss
10 MHz	1.1 db/100ft
50 MHz	2.6 db/100ft
100 MHz	3.8 db/100ft
200 MHz	5.4 db/100ft
400 MHz	7.9 db/100ft
700 MHz	10.7 db/100ft
900 MHz	12.3 db/100ft
1000 MHz	13.1 db/100ft
2000 MHz	19.3 db/100ft
3000 MHz	24.2 db/100ft
5000 MHz	32.6 db/100ft
8000 MHz	43.2 db/100ft

Insulation:

Material	Material Trade Name	Nominal Diameter
TFE - Tetrafluoroethylene	Teflon®	0.116 in

Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.195 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
19	Solid	SCCCS - Silver-coated Copper-covered Steel	0.037 in	1

Outershield 1:

Type	Layer	Material	Coverage
Braid	1	Silver-coated Copper	95 %
Braid	1	Silver-coated Copper	95 %

Product Variants

Part Number	Color	Put-Up Type	Length
83242 0011000	BROWN	Reel	1000 ft
83242 001100	BROWN	Reel	100 ft
83242 001500	BROWN	Reel	500 ft

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