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1-800-Belden1



## Description:

19 AWG solid .037" silver-coated copper-covered steel conductor, plenum, TFE Teflon® insulation, double silver-coated copper braid shield (96% coverage), FEP jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	19	Solid	SCCCS - Silver-coated Copper-covered Steel	0.037

### Insulation

#### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.116

### Outer Shield

#### Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	Silver-coated Copper	96
2	Braid	Silver-coated Copper	94

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

### Overall Cable

Overall Nominal Diameter: 0.195 in.

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 200°C

Bulk Cable Weight: 43 lbs/1000 ft.

Max. Recommended Pulling Tension: 146 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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-C-17G, M17/60
RG Type:	142/U

### Flame Test

UL Flame Test:	VW-1, NFPA 262
C(UL) Flame Test:	FT6
Other Information (Trademarks):	Teflon® is a DuPont trademark.

### Plenum/Non-Plenum

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

### Nom. Characteristic Impedance:

Impedance (Ohm)

50

### Nom. Inductance:

Inductance (µH/ft)

.067

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

29.0

### Nominal Velocity of Propagation:

VP (%)

70%

### Nominal Delay:

Delay (ns/ft)

1.48

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

19.3

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.3

### Maximum VSWR:

Freq. (MHz)	Max. VSWR
50	1.11
400	1.14
1000	1.17
3000	1.33
8000	1.33

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
10	1.1
50	2.6
100	3.8
200	5.4
400	7.9
700	10.7
900	12.3
1000	13.1
2000	19.3

3000	24.2
5000	32.6
8000	43.2

**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
50	4
100	5.5
400	11.7
1000	19
3000	35
8000	66

**Max. Power Rating:**

Freq. (MHz)	Rating (W)
50	3500
100	2400
400	1100
1000	650
3000	330
8000	180

**Max. Operating Voltage - UL:**

Voltage
150 V RMS

## Misc. Information (Overall)

## Notes (Overall)

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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
84142 001100	100 FT	5.000 LB	BROWN		M17/60-RG142 COAX
84142 0011000	1,000 FT	44.000 LB	BROWN	C E	M17/60-RG142 COAX
84142 001500	500 FT	22.500 LB	BROWN	C E	M17/60-RG142 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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