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1-800-Belden1



## Description:

30 AWG stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (96% coverage), FEP jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	30	7x38	SPCCS - Silver Plated Copper Covered Steel	.012

### Insulation

#### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.033

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	96

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

### Overall Cable

Overall Nominal Diameter: 0.071 in.

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 6 lbs/1000 ft.

Max. Recommended Pulling Tension: 12 lbs.

Min. Bend Radius (Install)/Minor Axis: 1 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

<b>Military Specification:</b>	M17/169-00001
<b>Other Specification:</b>	UL Style 1637 (30 V 90°C)
<b>RG Type:</b>	178B/U

### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading (VW-1)
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### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

50

### Nom. Inductance:

#### Inductance (µH/ft)

0.072

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/ft)

29.0

### Nominal Velocity of Propagation:

#### VP (%)

69.5

### Nominal Delay:

#### Delay (ns/ft)

1.46

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

244.0

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

14.6

### Nom. Attenuation:

#### Freq. (MHz) Attenuation (dB/100 ft.)

1	2.6
10	5.6
50	10.5
100	14.0
200	19.0
400	28.0
700	37.0
900	42.5
1000	46.0

### Nom. Power Rating:

#### Freq. (MHz) Rating (W)

50	380
100	253
200	170
400	113
700	81
900	70
1000	66

### Max. Operating Voltage - Other:

Voltage	Description
Military Specification	750 V RMS

## 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
83265 009100	100 FT	0.800 LB	WHITE	E	M17/93-RG178
83265 0091000	1,000 FT	6.000 LB	WHITE	E	M17/93-RG178
83265 009500	500 FT	3.500 LB	WHITE	E	M17/93-RG178

**Notes:**

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

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