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1-800-Belden1



## General Description:

30 AWG stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (95% 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

Total Number of Conductors: 1

### 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	95.000

### 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

UL Temperature Rating: 90C

Bulk Cable Weight: 5 lbs/1000 ft.

Max. Recommended Pulling Tension: 12 lbs.

Min. Bend Radius/Minor Axis: 1 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

MIL Order #39 (China RoHS): Yes

Military Specification: MIL-C-17, M17/93-RG178

Other Specification: UL Style 1637

RG Type: 178B/U

### Plenum/Non-Plenum

Plenum (Y/N): No

## 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 - UL:**

Voltage	Description
30 V rms	AWM 1637

**Max. Operating Voltage - Other:**

Voltage	Description
Military Specification	750 V RMS

## Misc. Information (Overall)

### Notes (Overall)

**Notes:** Military Specification (M17/93) Operating Temperature: -55C to 200C. - - - 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
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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- Изготовление тестовой платы монтаж и пусконаладочные работы.



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