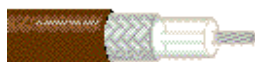


For more Information  
please call

1-800-Belden1



## Description:

30 awg stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (94% 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 | .062       |

### Outer Shield

#### Outer Shield Material:

| Type  | Outer Shield Material      | Coverage (%) |
|-------|----------------------------|--------------|
| Braid | SPC - Silver Plated Copper | 94.2         |

### Outer Jacket

#### Outer Jacket Material:

| Outer Jacket Material                |
|--------------------------------------|
| FEP - Fluorinated Ethylene Propylene |

### Overall Cable

Overall Nominal Diameter: 0.100 in.

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 10 lbs/1000 ft.

Max. Recommended Pulling Tension: 19 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

Military Specification: MIL-DTL-17H, M17/94-RG179

RG Type: 179/U

### Flame Test

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance (µH/ft)

.10

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

19.5

### Nominal Velocity of Propagation:

VP (%)

69.5

### Nominal Delay:

Delay (ns/ft)

1.4

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

244.0

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.5

### Nom. Attenuation:

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

|      |      |
|------|------|
| 1    | 3.0  |
| 10   | 5.3  |
| 50   | 8.5  |
| 100  | 10.0 |
| 200  | 12.5 |
| 400  | 16.0 |
| 700  | 19.7 |
| 900  | 22.3 |
| 1000 | 24.0 |

### Max. Power Rating:

Freq. (MHz)

1

10

50

100

200

400

700

900

1000

### Max. Operating Voltage - Non-UL:

Voltage

900 V RMS (MIL-SPEC)

## 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             |
|---------------|----------|-------------|-------|-------|-----------------------|
| 83264 001100  | 100 FT   | 1.100 LB    | BROWN | E     | 30 COAX M17/94-RG179  |
| 83264 0011000 | 1,000 FT | 11.000 LB   | BROWN | C E   | #30 COAX M17/94-RG179 |
| 83264 001500  | 500 FT   | 6.000 LB    | BROWN | E     | #30 COAX M17/94-RG179 |

**Notes:**

C = CRATE REEL PUT-UP.

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

Revision Number: 4    Revision Date: 03-30-2012

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