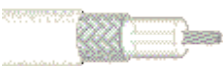


For more Information  
please call

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. (mm) |
|--------|-----|-----------|--------------------------------------------|-----------|
| 1      | 30  | 7x38      | SPCCS - Silver Plated Copper Covered Steel | 0.3048    |

Total Number of Conductors: 1

#### Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material       | Dia. (mm) |
|-----------------------|---------------------------|-----------|
| Teflon®               | TFE - Tetrafluoroethylene | 0.8382    |

#### 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: 1.803 mm

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 7.441 Kg/Km

Max. Recommended Pulling Tension: 53.378 N

Min. Bend Radius/Minor Axis: 25.400 mm

### 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                    |
| MII 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/m) |
|-------------------|
| 0.236232          |

**Nom. Capacitance Conductor to Shield:**

| Capacitance (pF/m) |
|--------------------|
| 95.149             |

**Nominal Velocity of Propagation:**

| VP (%) |
|--------|
| 69.5   |

**Nominal Delay:**

| Delay (ns/m) |
|--------------|
| 4.79026      |

**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 800.564             |

**Nominal Outer Shield DC Resistance:**

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 47.9026             |

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1           | 8.5306                |
| 10          | 18.3736               |
| 50          | 34.4505               |
| 100         | 45.934                |
| 200         | 62.339                |
| 400         | 91.868                |
| 700         | 121.397               |
| 900         | 139.443               |
| 1000        | 150.926               |

**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.

**Put Ups and Colors:**

| Item #        | Putup  | Ship Weight | Color | Notes | Item Desc    |
|---------------|--------|-------------|-------|-------|--------------|
| 83265 009100  | 30 MT  | 0.363 KG    | WHITE | E     | M17/93-RG178 |
| 83265 0091000 | 305 MT | 2.722 KG    | WHITE | E     | M17/93-RG178 |
| 83265 009500  | 152 MT | 1.588 KG    | 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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