



Product: [83267](#)



Computer and Instrumentation, #30 SPCCS Coax, SPC Braid, TFE Tape Jacket

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

| Conductor        |           |                                      |                  |             |
|------------------|-----------|--------------------------------------|------------------|-------------|
| AWG              | Stranding | Material                             | Nominal Diameter | No. of Coax |
| 30               | Stranded  | SCCS - Silvered Copper Covered Steel | 0.012 in         | 1           |
| Conductor Count: |           | 1                                    |                  |             |

| Insulation                     |                     |                  |
|--------------------------------|---------------------|------------------|
| Material                       | Material Trade Name | Nominal Diameter |
| PTFE - Polytetrafluoroethylene | Teflon®             | 0.063 in         |

| Outer Shield |                      |              |
|--------------|----------------------|--------------|
| Type         | Material             | Coverage [%] |
| Braid        | Silvered Copper (SC) | 95%          |

| Outer Jacket                   |                     |                  |
|--------------------------------|---------------------|------------------|
| Material                       | Material Trade Name | Nominal Diameter |
| PTFE - Polytetrafluoroethylene | Teflon®             | 0.105 in         |

Electrical Characteristics

| Conductor DCR         |                       |                      |                          |                     |
|-----------------------|-----------------------|----------------------|--------------------------|---------------------|
| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
| 244 Ohm/1000ft        | 244 Ohm/1000ft        |                      | 8.6 Ohm/1000ft           | 8.6 Ohm/1000ft      |

| Capacitance                          |  |
|--------------------------------------|--|
| Nom. Capacitance Conductor to Shield |  |
| 19.5 pF/ft                           |  |

| Inductance         |  |
|--------------------|--|
| Nominal Inductance |  |
| 0.1 µH/ft          |  |

| Impedance                        |  |
|----------------------------------|--|
| Nominal Characteristic Impedance |  |
| 75 Ohm                           |  |

| High Frequency (Nominal/Typical) |                     |
|----------------------------------|---------------------|
| Frequency [MHz]                  | Nom. Insertion Loss |
| 1 MHz                            | 3 dB/100ft          |
| 10 MHz                           | 5.3 dB/100ft        |

|          |               |
|----------|---------------|
| 50 MHz   | 8.5 dB/100ft  |
| 100 MHz  | 10 dB/100ft   |
| 200 MHz  | 12.5 dB/100ft |
| 400 MHz  | 16 dB/100ft   |
| 700 MHz  | 19.7 dB/100ft |
| 900 MHz  | 22.3 dB/100ft |
| 1000 MHz | 24 dB/100ft   |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.44 ns/ft    | 70%                                      |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 900 V RMS             |

Temperature Range

|                              |                 |
|------------------------------|-----------------|
| Non-UL Temp Rating:          | 200°C           |
| Operating Temperature Range: | -70°C To +200°C |

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 10 lbs/1000ft |
| Max. Pull Tension:           | 18 lbs        |
| Min. Bend Radius/Minor Axis: | 1 in          |

Standards

|          |     |
|----------|-----|
| RG Type: | 187 |
|----------|-----|

Applicable Environmental and Other Programs

|                                              |                               |
|----------------------------------------------|-------------------------------|
| Environmental Space:                         | Indoor (Not Riser or Plenum)  |
| EU Directive 2000/53/EC (ELV):               | Yes                           |
| EU Directive 2003/11/EC (BFR):               | Yes                           |
| EU Directive 2011/65/EU (RoHS 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | Yes                           |
| MII Order #39 (China RoHS):                  | Yes                           |

Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Related Part Numbers

Variants

| Item #        | Color | Put-Up Type | Length   | UPC          |
|---------------|-------|-------------|----------|--------------|
| 83267 009100  | White | Reel        | 100 ft   | 612825203742 |
| 83267 0091000 | White | Reel        | 1,000 ft | 612825203759 |

|           |                                                                            |
|-----------|----------------------------------------------------------------------------|
| Footnote: | E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'. |
|-----------|----------------------------------------------------------------------------|

Product Notes

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

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.325 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

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