



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 | SPCCS - 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'. |
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Product Notes

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| 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

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| Update and Revision: | Revision Number: 0.323 Revision Date: 11-09-2022 |
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