



**Product:** [83269](#) 

Mil-Spec Coax, 50 Ohm, RG-188, 26 AWG Str SCCS, 95% SC Braid, PTFE Tape Jkt, Commercial Non-QPL

## Product Description

Mil-Spec Coax, 50 Ohm, RG-188, 26 AWG (7x34) Silvered Copper Covered Steel Conductor, PTFE Insulation, 95% Silvered Copper Braid Shield, PTFE Tape Jacket, Commercial, non-QPL

## Technical Specifications

### Product Overview

|                        |                                  |
|------------------------|----------------------------------|
| Suitable Applications: | Aerospace wireless communication |
|------------------------|----------------------------------|

### Construction Details

|          |     |
|----------|-----|
| RG Type: | 188 |
|----------|-----|

#### Conductor

| Size   | Stranding | Nom. Diameter | Material                             |
|--------|-----------|---------------|--------------------------------------|
| 26 AWG | 7x34      | 0.020 in      | SCCS - Silvered Copper Covered Steel |

#### Insulation

| Material                       | Nom. Insulation Diameter | Color Code |
|--------------------------------|--------------------------|------------|
| PTFE - Polytetrafluoroethylene | 0.058 in (1.5 mm)        | White      |

#### Outer Shield

| Layer | Outer Shield Type | Material             | Coverage |
|-------|-------------------|----------------------|----------|
| 1     | Braid             | Silvered Copper (SC) | 95%      |

#### Outer Jacket

| Material                       | Nom. Diameter      |
|--------------------------------|--------------------|
| PTFE - Polytetrafluoroethylene | 0.100 in (2.54 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.100 in (2.54 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz     | 1.2 dB/100ft     |
| 10 MHz    | 2.7 dB/100ft     |
| 50 MHz    | 5.6 dB/100ft     |
| 100 MHz   | 8.3 dB/100ft     |
| 200 MHz   | 12.0 dB/100ft    |
| 400 MHz   | 17.5 dB/100ft    |
| 700 MHz   | 23.7 dB/100ft    |
| 900 MHz   | 27.3 dB/100ft    |
| 1000 MHz  | 29.0 dB/100ft    |

#### Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR      | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|--------------------|----------------------------|---------------------------------|-------------------------------|------------------------|
| 91.2 Ohm/1000ft    | 8.5 Ohm/1000ft (28 Ohm/km) | 29 pF/ft (95 pF/m)              | 50 Ohm                        | 70%                    |

Voltage

| Voltage Rating   |
|------------------|
| 900 V (Mil-Spec) |

Mechanical Characteristics

Temperature

| Operating       |
|-----------------|
| -70°C to +200°C |

Bend Radius

| Installation Min. |
|-------------------|
| 1 in (25 mm)      |

|                    |                 |
|--------------------|-----------------|
| Max. Pull Tension: | 21 lbs (9.5 kg) |
| Bulk Cable Weight: | 11 lbs/1000ft   |

Standards and Compliance

|                                |                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:     | Indoor (Not Riser or Plenum), Indoor                                                                                             |
| Sustainability:                | CA Prop 65                                                                                                                       |
| CEC / C(UL) Compliance:        | .                                                                                                                                |
| Military Compliance:           | Commercial, non-QPL product (similar to M17/113-RG188)                                                                           |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)                                                                                                  |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.509 Revision Date: 02-20-2026 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color | Putup Type | Length   | UPC          | Footnote |
|---------------|-------|------------|----------|--------------|----------|
| 83269 0091000 | White | Reel       | 1,000 ft | 612825203773 | E        |

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

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