



**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
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#### Construction Details

RG Type:	188
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#### Conductor

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

#### Insulation

Material	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.058

#### Outer Shield Material

Outer Shield Type	Material	Coverage
Braid	Silvered Copper (SC)	95%

#### Outer Jacket Material

Material	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.100 in

#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
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. Impedance	Nom. Velocity
91.2 Ohm/1000ft	8.5 Ohm/1000ft	29 pF/ft	50 Ohm	70%

##### Voltage

<b>Non-UL Voltage Rating</b>
900 V (Mil-Spec)

## Mechanical Characteristics

### Temperature

<b>Operating</b>
-70°C to +200°C

### Bend Radius

<b>Installation Min.</b>
1.1 in

Bulk Cable Weight:	11 lbs/1000ft
Max. Pull Tension:	27 lbs

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 FT4 Loading, Limited Smoke
Military Compliance:	Commercial, non-QPL product (similar to M17/113-RG188)
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.309 Revision Date: 07-31-2020
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