



**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

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)
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### 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
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: 0.505 Revision Date: 04-13-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
83269 009100	White	Reel	100 ft	612825203766
83269 009500	White	Reel	500 ft	612825203780
83269 0091000	White	Reel	1,000 ft	612825203773

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