



**Product:** [83264](#)

Mil-Spec Coax, 75 Ohm, RG-179, 30 AWG Str SCCS, 95% SC Braid, FEP Jkt, Commercial Non-QPL

### Product Description

Mil-Spec Coax, 75 Ohm, RG-179, 30 AWG (7x38) Silvered Copper Covered Steel Conductor, PTFE Insulation, 95% Silvered Copper Braid Shield, FEP Jacket, Commercial, non-QPL

### Technical Specifications

#### Product Overview

Suitable Applications:	Aerospace, analog video
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#### Construction Details

RG Type:	179
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#### Conductor

AWG	Stranding	Nom. Diameter	Material
30	7x38	0.012 in	SCCS - Silvered Copper Covered Steel

#### Insulation

Material	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.063 in

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.100 in

#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	3.0 dB/100ft
10 MHz	5.3 dB/100ft
50 MHz	8.5 dB/100ft
100 MHz	10.0 dB/100ft
200 MHz	12.5 dB/100ft
400 MHz	16.0 dB/100ft
700 MHz	19.7 dB/100ft
900 MHz	22.3 dB/100ft
1000 MHz	24.0 dB/100ft

##### Power Rating

Frequency [MHz]	Max. Power Rating [W]
50 MHz	1,250 W
100 MHz	865 W

200 MHz	599 W
400 MHz	415 W
700 MHz	308 W
900 MHz	270 W
1,000 MHz	255 W

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
232 Ohm/1000ft	8.5 Ohm/1000ft	19.5 pF/ft	75 Ohm	70%

#### Voltage

Non-UL Voltage Rating
900 V (Mil-Spec)

## Mechanical Characteristics

#### Temperature

Operating
-70°C to +200°C

#### Bend Radius

Installation Min.
1 in

Bulk Cable Weight:	10 lbs/1000ft
Max. Pull Tension:	17 lbs

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor
Sustainability:	CA Prop 65
Military Compliance:	Commercial, non-QPL product (M17/94-RG179)
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: 0.330 Revision Date: 09-30-2020
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