Belden

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

Construction Details

RG Type:	179

Conductor

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

Insulation

Material	Nom. Insulation Diameter	Color Code
PTFE - Polytetrafluoroethylene	0.063 in (1.6 mm)	White

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.100 in (2.54 mm)

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

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
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	Max. Power Rating
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. Characteristic Impedance	Nom. Velocity of Prop.
232 Ohm/1000ft (761 Ohm/km)	8.5 Ohm/1000ft (28 Ohm/km)	19.5 pF/ft (64.0 pF/m)	75 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:	17 lbs (7.7 kg)
Bulk Cable Weight:	10 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
CEC / C(UL) Compliance:	.
Military Compliance:	Commercial, non-QPL product (M17/94-RG179)
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: 0.506 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83264 001100	Brown	Reel	100 ft	612825203667	E
83264 001500	Brown	Reel	500 ft	612825203681	E
83264 0011000	Brown	Reel	1,000 ft	612825203674	C E

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'., C - CRATE REEL PUT-UP.

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