



Product: <u>83265</u> ☑

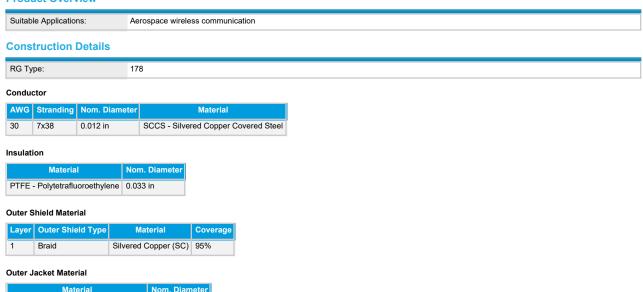
Mil-Spec Coax, 50 Ohm, RG-178, 30 AWG Str SCCS, 95% SC Braid, FEP Jkt, Commercial Non-QPL

Product Description

Mil-Spec Coax, 50 Ohm, RG-178, 30 AWG (7x38) Silvered Copper Covered Steel Conductor, PTFE Insulation, 95% Silvered Copper Braid Shield, FEP Jacket, Commercial, non-QPL

Technical Specifications

Product Overview



Electrical Characteristics

VSWR

Frequency [MHz]	Max. VSWR
50 MHz - 1000 MHz	per M17/93-RG178

FEP - Fluorinated Ethylene Propylene 0.071 in

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	2.6 dB/100ft
10 MHz	5.6 dB/100ft
50 MHz	10.5 dB/100ft
100 MHz	14.0 dB/100ft
200 MHz	19.0 dB/100ft
400 MHz	28.0 dB/100ft
700 MHz	37.0 dB/100ft
900 MHz	42.5 dB/100ft
1000 MHz	46.0 dB/100ft

Power Rating

Frequency [MHz]	Max. Power Rating [W]	
50 MHz	380 W	
100 MHz	253 W	
200 MHz	170 W	
400 MHz	113 W	
700 MHz	81 W	
900 MHz	70 W	
1,000 MHz	66 W	

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity
232 Ohm/1000ft	14.6 Ohm/1000ft	29 pF/ft	50 Ohm	70%

Voltage

UL Voltage Rating	Non-UL Voltage Rating
30 V (UL AWM 1637)	750 V (Mil-Spec)

Mechanical Characteristics

Temperature

UL Rating	Operating
90°C (UL AWM 1637)	-70°C to +200°C

Bend Radius

Installation Min
0.7 in

Bulk Cable Weight:	5 lbs/1000ft	
Max. Pull Tension:	12 lbs	

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor
Sustainability:	CA Prop 65
AWM Compliance:	1637
Military Compliance:	Commercial, non-QPL product (M17/93-RG178)
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

ate and Revision:

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