



**Product:** <u>83242</u> ☑

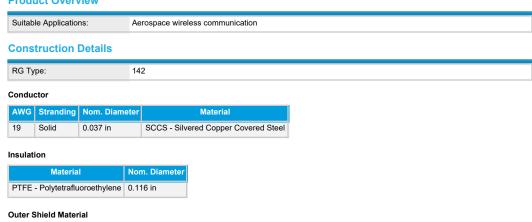
Mil-Spec Coax, 50 Ohm, RG-142, 19 AWG Solid SCCS, Double 95% SC Braid, FEP Jkt, CMP, Commercial Non-QPL

# **Product Description**

Mil-Spec Coax, 50 Ohm, RG-142, 19 AWG Solid Silvered Copper Covered Steel Conductor, PTFE Insulation, Double 95% Silvered Copper Braid Shield, FEP Jacket, CMP, Commercial, non-QPL

# **Technical Specifications**

#### **Product Overview**



2 Braid Silvered Copper (SC) 95%	1	Braid	Silvered Copper (SC)	95%
	2	Braid	Silvered Copper (SC)	95%

## **Outer Jacket Material**

Layer Outer Shield Type

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.195 in

# **Electrical Characteristics**

#### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.3 dB/100ft
10 MHz	1.1 dB/100ft
50 MHz	2.6 dB/100ft
100 MHz	3.8 dB/100ft
200 MHz	5.4 dB/100ft
400 MHz	7.9 dB/100ft
700 MHz	10.7 dB/100ft
900 MHz	12.3 dB/100ft
1000 MHz	13.1 dB/100ft
2000 MHz	19.3 dB/100ft
3000 MHz	24.2 dB/100ft
5000 MHz	32.6 dB/100ft
8000 MHz	43.2 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
19.0 Ohm/1000ft	2.3 Ohm/1000ft	29 pF/ft	50 Ohm	70%

#### Voltage

UL Voltage Rating	Non-UL Voltage Rating
300 V (CMP)	1400 V (Mil-Spec)

#### **Mechanical Characteristics**

#### Temperature

UL Rating	Operating
200°C	-70°C to +200°C

#### **Bend Radius**

# Installation Min.

Bulk Cable Weight:	42 lbs/1000ft
Max. Pull Tension:	103 lbs

## **Standards and Compliance**

Environmental Suitability:	Indoor - Plenum, Indoor, Outdoor, UV Resistance
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	NFPA 262
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
Military Compliance:	Commercial, non-QPL product (M17/158-00001)
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: 0.335 Revision Date: 11-19-2020
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