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ORIGINATOR: A.J.R.

**SPECIFICATION DATA SHEET**

**CABLE TYPE** RG 316/U RADIO FREQUENCY, COAXIAL, 50 OHM.

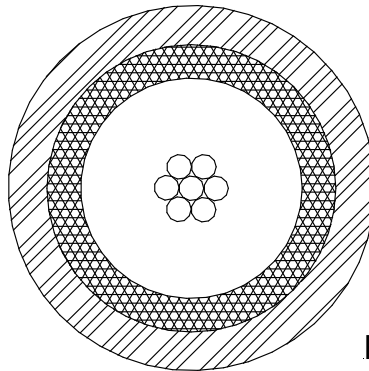
**GENERAL DESCRIPTION** SPCCS CONDUCTOR, PTFE DIELECTRIC, SPCW BRAID, FEP SHEATH.

**RELEVANT STANDARDS** IN ACCORDANCE WITH MIL-C-17/113

COMPONENT	MATERIAL BREAKDOWN	DIAMETER	
		(nom)	mm
Conductor	07/0.170mm SILVER PLATED COPPER CLAD STEEL (Tensile Strength: 50 Klbf/inch" min, Elongation: 10% min)	0.51	
Dielectric	EXTRUDED PTFE OF NOMINAL WALL 0.51mm (NATURAL)	1.52	
Screen	0.102mm SPCW OF 95.2% NOMINAL COVERAGE	1.97	
Jacket	EXTRUDED FEP OF NOMINAL WALL 0.26mm (Translucent Brown)	2.49	

**CABLE CHARACTERISTICS** :

CONTINUOUS WORKING VOLTAGE: 900 V rms MAXIMUM  
 TEMPERATURE RATING: -55° to +200°C  
 DIMENSIONS: 2.39mm MINIMUM , 2.59mm MAXIMUM  
 WEIGHT: 14.67 KG/KM NOMINAL  
 ELECTRICAL CHARACTERISTICS: CONDUCTOR RESISTANCE: 276 OHMS/KM MAXIMUM  
 IMPEDANCE: 50 ± 2 OHMS  
 CAPACITANCE: 105 pF/M MAXIMUM  
 ATTENUATION: 37.0 dB/100M NOMINAL @ 100 MHz  
 47.0 dB/100M NOMINAL @ 200 MHz  
 55.0 dB/100M NOMINAL @ 400 MHz  
 68.9 dB/100M MAXIMUM @ 400 MHz  
 102 dB/100M NOMINAL @ 1000 MHz  
 VELOCITY OF PROPAGATION: 69.5% NOMINAL



RG 316 U

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