VR1129
RG316/U

DATE: 14/11/06
ORIGINATOR: A.J.R.
CHECKED:

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-17/172

COMPONENT	MATERIAL BREAKDOWN	DIAMETER (nom) mm
Conductor	**07/0.170mm SILVER PLATED COPPER CLAD STEEL (Tensile Strength: 50 Klbf/inch² 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

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