



VR1129
MRG316/U

DATE: 02/07/07
ORIGINATOR: A.J.R.
CHECKED:

SPECIFICATION DATA SHEET

CABLE TYPE RG 316 D RADIO FREQUENCY, COAXIAL, 50 OHM.

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

RELEVANT STANDARDS GENERALLY IN ACCORDANCE WITH MIL-C-17/172
DOUBLE SCREENED VERSION OF RG316/U

COMPONENT	MATERIAL BREAKDOWN	DIAMETER	
		(nom)	mm
Conductor	07/0.170mm SILVER PLATED COPPER CLAD STEEL (Tensile Strength: 50 Klb/inch ² 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	
Screen	0.102mm SPCW OF 95.2% NOMINAL COVERAGE	2.43	
Jacket	EXTRUDED FEP OF NOMINAL WALL 0.25mm (TRANSLUCENT BROWN)	2.90	

CABLE CHARACTERISTICS :

CONTINUOUS WORKING VOLTAGE: 900 V rms MAXIMUM

TEMPERATURE RATING: -55° to +200°C

DIMENSIONS: 2.80mm MINIMUM , 3.00mm MAXIMUM

WEIGHT: 22.81 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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