



VR1129

RG316/U

DATE: 17/12/03
ORIGINATOR: A.J.R.
CHECKED:

RAYDEX/CDT- 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 Klb/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

CABLE BREAK LOAD: 240N / 24 KGS NOMINAL (250mm CABLE LENGTH)

ELECTRICAL CHARACTERISTICS: CONDUCTOR RESISTANCE: 276 OHMS/KM MAXIMUM
IMPEDANCE: 50 ± 2 OHMS
CAPACITANCE: 105 pF/M MAXIMUM
ATTENUATION: 68.9 dB/100M MAXIMUM @ 400 MHz
VELOCITY OF PROPAGATION: 69.5% NOMINAL

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