



VR1129
MRG316D

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ORIGINATOR: A.J.R.
CHECKED:

BELDEN SPECIFICATION DATA SHEET

CABLE TYPE RG316DT RADIO FREQUENCY, COAXIAL, 50 OHM.

GENERAL DESCRIPTION SPCCS CONDUCTOR, PTFE DIELECTRIC, SPCW BRAIDS, FEP SHEATH. DOUBLE SCREENED VERSION OF RG 316/U.

RELEVANT STANDARDS TESTED IN ACCORDANCE WITH MIL-C-17/152

COMPONENT	MATERIAL BREAKDOWN	DIAMETER (nom) mm
Conductor	07/0.170mm SILVER PLATED COPPER CLAD STEEL	0.51
Dielectric	EXTRUDED PTFE OF NOMINAL WALL 0.51mm (NATURAL)	1.52
Screen 1	0.102mm SPCW OF 95 % NOMINAL COVERAGE	1.97
Screen 2	0.102mm SPCW OF 93 % NOMINAL COVERAGE	2.43
Jacket	EXTRUDED FEP OF NOMINAL WALL 0.25mm (TRANSLUCENT BROWN)	2.93

CABLE CHARACTERISTICS :

CONTINUOUS WORKING VOLTAGE: 900 V rms MAXIMUM

TEMPERATURE RATING: -55° to +200°C

DIMENSIONS: 2.80mm MINIMUM , 3.00mm MAXIMUM

ELECTRICAL CHARACTERISTICS: CONDUCTOR RESISTANCE: 276 OHMS/KM MAXIMUM
 IMPEDANCE: 50 ± 2 OHMS
 CAPACITANCE: 105 pF/M MAXIMUM
 VELOCITY OF PROPAGATION: 69.5% NOMINAL
 ATTENUATION: 68.9 dB/100M MAXIMUM @ 400 MHz
 (37 dB/m NOMINAL @ 100 MHz)
 (47 dB/m NOMINAL @ 200 MHz)
 (102 dB/m NOMINAL @ 1000 MHz)

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