VR1129
MRG316D

DATE: 04/05/2004
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)