



INTERCONNECT TECHNOLOGIES

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SPECIFICATION DATA SHEET

CABLE TYPE: RG 142 B/U 50Ω CO-AXIAL CABLE
GENERAL DESCRIPTION: RADIO FREQUENCY, FLEXIBLE, COAXIAL, 50 Ω, SOLID S.P.C.C.S. CONDUCTOR, PTFE DIELECTRIC, DOUBLE SPCW SCREEN, FEP SHEATH.
RELEVANT STANDARDS: MIL-C-17/158A-00001

Table with 3 columns: COMPONENT, MATERIAL BREAKDOWN, DIAMETER (nom) mm. Rows include Conductor, Dielectric, Braid 1, Braid 2, and Jacket.

CABLE CHARACTERISTICS

CONTINUOUS WORKING VOLTAGE: 1400 V RMS MAXIMUM
OPERATING TEMPERATURE RANGE: -55°C to +200°C
CONDUCTOR RESISTANCE: 64.00 Ω/KM MAXIMUM @ 20°C
VELOCITY OF PROPAGATION: 69 %
CHARACTERISTIC IMPEDANCE: 50 ± 2 Ohms
CAPACITANCE: 105 pF/m MAXIMUM
ATTENUATION: 9.84 dB/100 Mts NOMINAL @ 50 MHz, 14.44 dB/100 Mts NOMINAL @ 100 MHz, 30.51 dB/100 Mts MAXIMUM @ 400 MHz, 50.20 dB/100 Mts NOMINAL @ 1000 MHz, 76.44 dB/100 Mts NOMINAL @ 2000 MHz, 96.13 dB/100 Mts NOMINAL @ 3000 MHz, 189.63 dB/100 Mts NOMINAL @ 8000 MHz, 280.18 dB/100 Mts NOMINAL @ 12400 MHz
DIMENSIONS: 4.95mm ± 0.10mm
WEIGHT: 64.86 KG/KM NOMINAL

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