

Cable Assembly Specification

Rosenberger NA PN: 06E-32S1-51S1-XXXXX

Rosenberger®

Rosenberger of North America, LLC

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Description

Rosenberger: Cable: RG 58C/U
Connector Combination: SMA male / BNC male
Length in millimeters: XXXXX (mm)

General Electrical Specifications

Impedance:	50 ± 2 Ohms
Operating Frequency:	DC to 1 GHz
Return Loss:	15 dB minimum up to 3 GHz
Cable Insertion Loss:	0.63 dB/m @ 1 GHz (max)
Velocity of Propagation (%):	66% nominal
Shielding Effectiveness:	>40 dB
Working Voltage:	400 Vrms

Mechanical Specification

Cable Diameter:	4.95 mm nominal
Minimum Bend Radius:	Static: 18mm, Multiple: 27mm
Mating Torque:	SMA: 0.8 Nm to 1.1Nm
Mating Cycles:	> 500
Temperature Range:	-20°C to +70°C

MATERIALS AND FINISHES

Cable:	RG 58C/U
Connector Interfaces:	SMA: Per MIL-STD-348A BNC: Per MIL-PRF-39012
Connector Types, Materials & Platings	
SMA:	Coupling nut: gold plated beryllium copper or equivalent Outer contact: gold plated beryllium copper or equivalent Center conductor: gold plated brass
BNC:	Outer contact, body: Optargen®-plated brass Center contact: gold-plated brass