

Cable Assembly Specification

Rosenberger NA p/n: 02E-32S1-51S1-XXXXX

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Connector Combination: SMA (m) straight / BNC (m) straight
Length in millimeters: (XXXXX mm)

General Electrical Specifications

Impedance:	50 ± 2 Ohms
Operating Frequency:	DC to 5 GHz
Return Loss:	15 dB min up to 5 GHz
Cable Insertion Loss:	2.30 dB/m @ 5 GHz (typical)
Velocity of Propagation (%):	69.5% nominal
Shielding Effectiveness:	>38 dB @4 GHz
Working Voltage:	400 Vrms

Mechanical Specification

Cable Diameter:	2.50mm nominal
Minimum Bend Radius:	Static: 25mm; dynamic: 38mm
Mating Torque:	SMA: 0.8 Nm to 1.1Nm
Mating Cycles:	> 500
Temperature Range:	-65°C to +165°C

MATERIALS AND FINISHES

Cable:	RG 316/U
Connector Interfaces:	SMA: Per MIL-STD-348A
	BNC: Per MIL-PRF-39012

Connector Types, Material & Plating:

SMA:	Coupling nut: gold plated beryllium copper or equivalent
	Outer contact: gold plated beryllium copper or equivalent
	Center contact: gold plated brass
BNC:	Outer contact: silver plated brass
	Center contact: gold plated bronze
	Body: silver plated brass