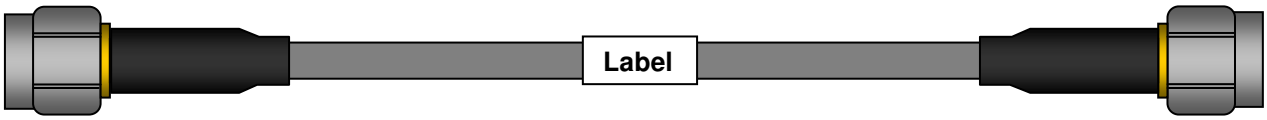
Cable Assembly Specification

Rosenberger
Rosenberger of North America, LLC

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



Description

Rosenberger: Cable: RG316
Connector Combination: SMA (m) / SMA (m)
Length in millimeters: (XXXXX mm)
Labels: < 1830mm, one in middle of cable
≥ 1830mm, two, each 150mm from each end

General Electrical Specifications

Impedance:	50 +/- 2 Ohms
Operating Frequency:	DC to 5 GHz
Return Loss:	15 dB minimum
Cable Insertion Loss:	2.3 dB/m @ 5 GHz (typical)
Velocity of Propagation:	70% nominal
Shielding Effectiveness:	> 38 dB (@ 1GHz)
Working Voltage:	300 Vrms

Mechanical Specification

Cable Diameter:	2.5 mm nominal
Mating Torque: SMA	0.8 Nm to 1.1 Nm
Mating Cycles:	> 500
Temperature Range:	-65℃ to 165℃

Materials and Finishes

Cable:	RG 316
Connector Interface:	Per MIL-STD-348A
Connector Types, Material & Plating:	Center Conductor: AuroDur® Gold Plated Brass Outer Contact: AuroDur® Gold Plated Beryllium Copper or equivalent Coupling Nut: Gold Plated Beryllium Copper or equivalent

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