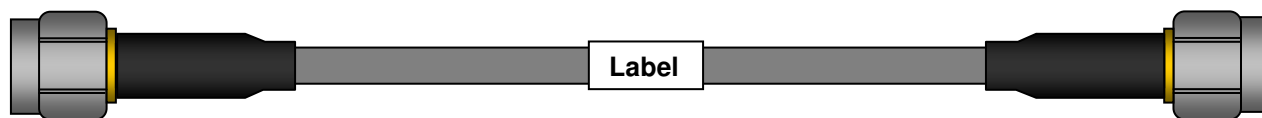


## Cable Assembly Specification

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°C to 165°C

### Materials and Finishes

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