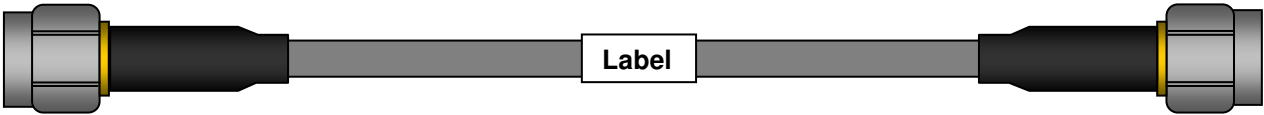


# Cable Assembly Specification

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