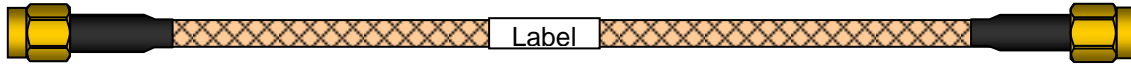


Cable Assembly Specification
 Rosenberger NA p/n: 03E-32S1-32S1-XXXXX



Description

Rosenberger: Cable: RG 316/U-d FEP
 Connector Combination: SMA (m) straight / SMA (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: 2.40 dB/m @ 5 GHz (typical)
 Velocity of Propagation (%): 69.5% nominal
 Shielding Effectiveness: >70 dB @4 GHz
 Working Voltage: 480 Vrms

Mechanical Specification

Cable Diameter: 2.90mm nominal
 Minimum Bend Radius: Static: 29mm; dynamic: 44mm
 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-d FEP
 Connector Interfaces: SMA: Per MIL-STD-348A
 Connector Types, Material & Plating:
 SMA: Coupling nut: gold plated beryllium copper or equivalent
 Outer contact: gold plated beryllium copper or equivalent
 Center conductor: gold plated brass