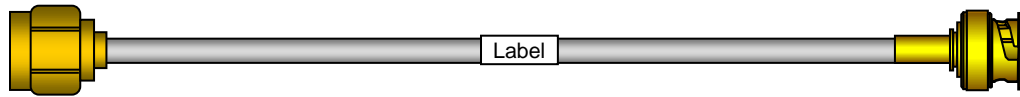


Cable Assembly Specification

Rosenberger NA PN: 71B-32S1-51S1-XXXXX



Description

Rosenberger: Cable: RTK-FS 085-FEP
Connector Combination: SMA (m) straight / BNC(Ampheno) (m) straight
Length in millimeters: (XXXXX mm)

General Electrical Specifications

Impedance: 50 ± 2 Ohms
Operating Frequency: DC to 4 GHz
Return Loss: 15 dB min up to 10 GHz
Cable Insertion Loss: 1.83 dB/m @ 5 GHz (typical)
Velocity of Propagation (%): 70% nominal
Shielding Effectiveness: >100 dB
Working Voltage: 400 Vrms

Mechanical Specification

Cable Diameter: 2.11 mm nominal
Minimum Bend Radius: Static: 6mm; Dynamic: 20mm
Mating Torque: SMA 0.8 Nm to 1.1Nm
Mating Cycles: SMA / 41612 > 500
Temperature Range: -65°C to +150°C

Materials and Finishes

Cable: RTK-FS 085; SPCCS Center Conductor
Connector Interface: SMA: Per MIL-STD-348

Connector Types, Material & Plating:

SMA: Coupling nut: gold plated beryllium copper or equivalent, or passivated stainless steel
Outer contact: gold plated beryllium copper or equivalent
Center contact: gold plated brass

BNC(Ampheno): Outer contact: gold plated brass
Center contact: gold plated brass
Body: nickel/gold plated brass

Cable Assembly Specification
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