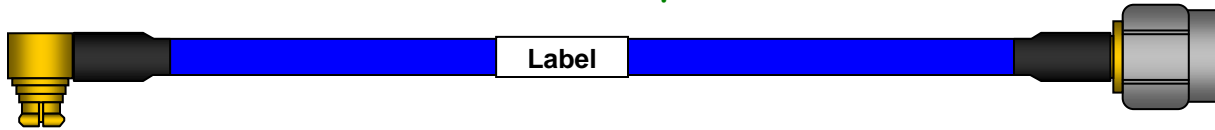


Cable Assembly Specification
Rosenberger NA p/n: L71-800-XXX

RoHS Compliant



Description

Rosenberger: Cable: RTK-FS 085-FEP/SPCW
Connector Combination: SMP female right angle / SMA+ male straight
Length in millimeters: XXX

General Electrical Specifications

Impedance: 50 ± 2 Ohms
Operating Frequency: DC to 26 GHz
Return Loss: 14 dB min up to 26 GHz
Cable Insertion Loss: 4.8 dB/m @ 26 GHz (typical)
Velocity of Propagation: 70% nominal
Shielding Effectiveness: >100 dB @ 1GHz
Working Voltage: 850 Vrms

Mechanical Specification

Cable Diameter: 2.64 mm nominal
Minimum Bend Radius: 6 mm
Mating Torque: SMA+ 8.1 Nm to 13 Nm
Engagement/Disengagement Force: 45 N max / 9 N min – Limited Detent Mating
SMP Connector
Mating Cycles: SMP / SMA+ > 500
Temperature Range: -55°C to +125°C

MATERIALS AND FINISHES

Cable: RTK-FS 085-FEP; SCPW Center Conductor,
Per MIL-STD-348 Hybrid
Connector Interface: SMA+
Connector Types, Material & Plating: **Coupling nut:** passivated stainless steel
Outer contact: gold plated beryllium copper or equivalent
Dielectric: PTFE
Center contact: gold plated brass
SMP: Outer & center contact: gold plated beryllium copper or equivalent
Dielectric: PTFE