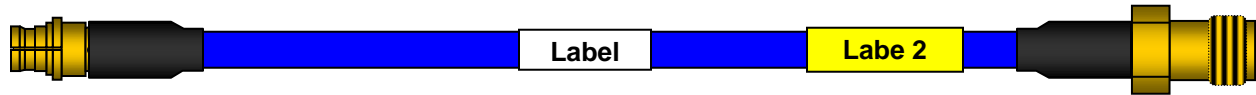


Cable Assembly Specification

Rosenberger NA p/n: L71-801-XXX

RoHS Compliant



Description

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

General Electrical Specifications

| | |
|---------------------------------|-----------------------------|
| Impedance: | 50 ± 2 Ohms |
| Operating Frequency: | DC to 36 GHz |
| Return Loss: | 18 dB min up to 18 GHz |
| Cable Insertion Loss: | 4.8 dB/m @ 26 GHz (typical) |
| Velocity of Propagation: | 70% nominal |
| Shielding Effectiveness: | >100 dB @ 1GHz |
| Working Voltage: | 335 Vrms |

Mechanical Specification

| | |
|--|--|
| Cable Diameter: | 2.50 mm nominal |
| Minimum Bend Radius: | 6 mm |
| Mating Torque: SMA+ | 8.1 Nm to 13 Nm |
| Engagement/Disengagement Force: SMP | 45 N max / 9 N min – Limited Detent Mating Connector |
| Mating Cycles: SMP / SMA+ | > 500 |
| Temperature Range: | -65°C to +150°C |

MATERIALS AND FINISHES

| | |
|---|---|
| Cable: | RTK-FS 085-FEP; SCPW Center Conductor, Per MIL-STD-348 Hybrid |
| Connector Interface: | |
| Connector Types, Material & Plating: | SMA+: 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 |

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