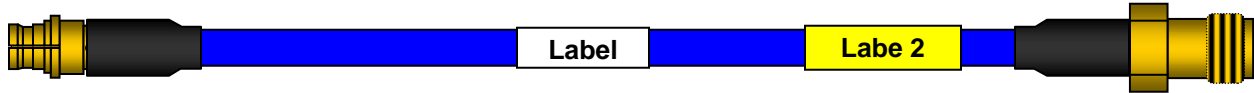


Cable Assembly Specification

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