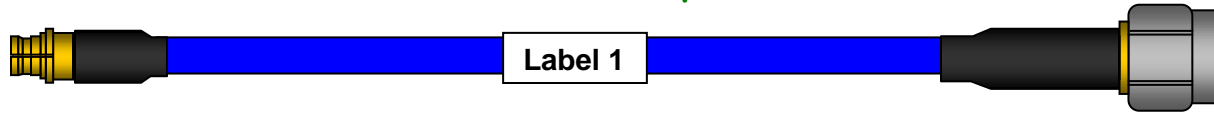


Cable Assembly Specification

Rosenberger NA p/n: L71-799-XXX

RoHS Compliant



Description

Rosenberger: Cable: RTK-FS 085-FEP/SPCW

Connector Combination: SMP female straight / SMA+ male straight

Length in millimeters: XXX

General Electrical Specifications

Impedance:	50 ± 2 Ohms
Operating Frequency:	DC to 36 GHz
Return Loss:	17 dB min up to 36 GHz
Cable Insertion Loss:	5.5 dB/m @ 36 GHz (typical)
Velocity of Propagation (%):	70% nominal
Shielding Effectiveness (dB @ 1GHz):	>110 dB
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: SMP	45 N max / 9 N min – Limited Detent Mating Connector
Mating Cycles: SMP / SMA+	> 500
Temperature Range:	-55°C to +125°C

MATERIALS AND FINISHES

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