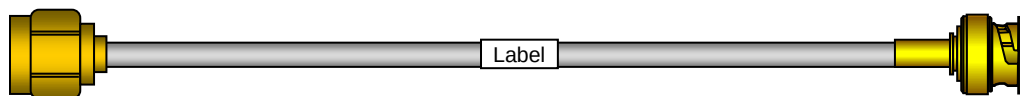


Cable Assembly Specification

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



Description

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

General Electrical Specifications

Impedance:	50 $\pm$ 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(Amphenol): Outer contact: gold plated brass
Center contact: gold plated brass
Body: nickel/gold plated brass

Cable Assembly Specification

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