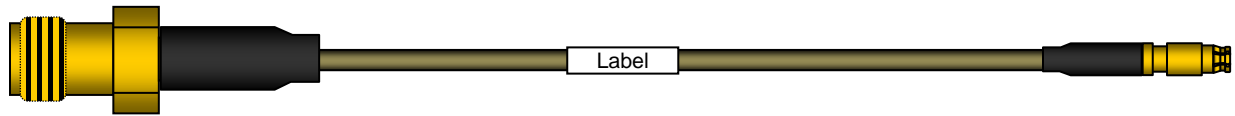


Cable Assembly Specification

Rosenberger PN: 70W-32K1-W1K1-XXXXX

**RoHS Compliant****Description**

Rosenberger:	Cable:	RTK-Flex 047
	Connector Combination:	SMA female / WSMP female
	Length in millimeters:	XXXXX (end-to-end)
	RoHS:	Compliant

General Electrical Specifications

Impedance:	50 ± 1 Ohms
Operating Frequency:	DC to 18 GHz
Return Loss:	15 dB min up to 18 GHz
Cable Insertion Loss:	5.9 dB/m max @ 18 GHz
Velocity of Propagation (%):	70% nominal
Shielding Effectiveness:	> 100 dB @ 1 GHz
Working Voltage:	150 Vrms

Mechanical Specification

Cable Diameter:	1.42mm nominal
Minimum Bend Radius:	5.0mm (single); 10mm (multiple)
Mating Torque: SMA	0.8 Nm to 1.1Nm
Engagement/disengagement force:	11 N / 29 N typical with full detent mate
Mating Cycles:	> 100 (full detent mate)
Temperature Range:	-40°C to +125°C

Materials and Finishes

Cable:	RTK-Flex047-SPC-FEP
Connector Interfaces:	Per MIL-STD-348B
Connector Types, Material & Plating:	
SMA female:	Outer contact: gold plated beryllium copper or equivalent Center contact: gold plated beryllium copper
WSMP female:	Outer & center contacts: gold plated beryllium copper

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Rosenberger:

[70W-32K1-W1K1-00305](#) [70W-32K1-W1K1-00152](#)