

Cable Assembly Specification

Rosenberger NA PN: RU5-02S1-02S1-XXXXX

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Description

Rosenberger: Cable: RTK 092/ Rmor CU-3
Connector Combination: 2.92 (m) straight / 2.92 (m) straight
Length in millimeters: (XXXXX)

General Electrical Specifications

Impedance:	50 ± 2 Ohms
Operating Frequency:	DC to 40 GHz
Return Loss:	16 dB minimum up to 40 GHz
Cable Insertion Loss:	4.65 dB/ m @ 40 GHz
Velocity of Propagation (%):	78% nominal
Shielding Effectiveness:	≥ -90 dB @ 1 GHz to 18 GHz
Working Voltage:	250 V _{rms}

Mechanical Specification

Cable Diameter:	2.33 mm nominal
Minimum Bend Radius:	3.30mm (single)/ 38.1 mm (multiple)
Recommended torque:	0.80 Nm to 1.10 Nm
Mating Cycles:	> 500
Temperature Range:	-40°C to +85°C

MATERIALS AND FINISHES

Cable:	RTK 092; SPCW Center Conductor
Connector Interface:	Per IEC 61169-35
Connector Types, Material & Plating:	Outer Contact: Passivated Stainless steel Center Contact: Gold Plated Beryllium copper Coupling nut: Passivated Stainless steel