

Rosenberger® R_{mor}™ Cables Assembly

Assembly Specification:

Part Number: TBD



Rosenberger R_{mor}™ cables are designed for outdoor and rugged environment.

Each shielded coaxial cable is protected with flexible, SPIRAL-wound 304 Stainless Steel armor, coated with extruded Polyurethane. The connector ends are sealed and encapsulated with a pressure injection-molded polymer strain relief. This combination of materials and technology provides superior ruggedization, environmental resistance, RF shielding effectiveness and stability under flexure and vibration. The cables are available with TNC, SMA, 7-16, N, and Quick-Lock™.

Additional connector interfaces and armor/cable diameters available on request.

Description

Rosenberger N male to N male, Cable Assembly, Length 00915mm or 3ft.

General Electrical Specifications

Impedance:	50 Ohms nominal
Operating Frequency:	DC to 6.0 GHz
VSWR:	<1.25:1 from DC to 6.0 GHz
Assembly Insertion Loss:	0.32 dB/ft. @ 6.0 GHz
Velocity of Propagation (%)	70 % nominal
Capacitance	29.4 pf/ft. nominal
Shielding effectiveness	< -90 dB
Dielectric Withstand Voltage:	1000 Vrms

Mechanical Specification

Cable Jacket & Armor Outer Diameter:	.163 inches nominal & .400 inches nominal
Minimum Bend Radius:	.5 inches
Armor Crush Strength	450 LB/IN (min)
Connector Retention:	≥75 lbs
Mating Torque:	11 inch pounds

MATERIALS AND FINISHES

Armor Type:	SPIRAL-wound 304 SS & Blue Poly--- jacket
Connector Interface Dimension	IEC 60169-17 Per MIL-PRF-3902, DINEN122200
Connector Environmental testing	Per MIL-STD-202, Meth 101,106,107,204 & 213