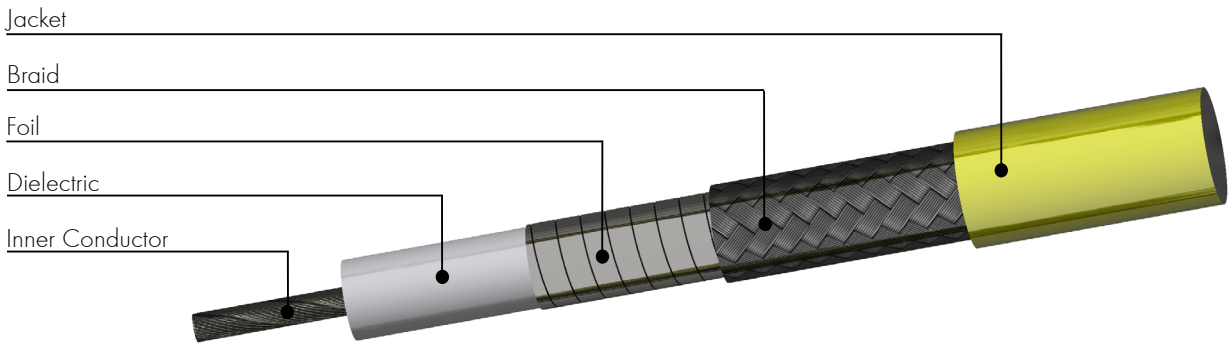
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

Multi Purpose Ultra Low Loss RF/Microwave Test Cable

MPUL1200B



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Stranded, Silver Plated Copper (SPC)	N/A
Dielectric	ePTFE (Expanded Polytetrafluoroethylene)	N/A
Foil	Copper, Silver plated	N/A
Braid	Copper, Silver plated	N/A
Jacket	FEP (Fluorinated ethylene propylene)	12.00 mm (.472 inch)

Electrical Data

Impedance	50 Ω
Frequency	DC to 11.5 GHz
Capacitance	78.7 pF/m
Velocity of signal propagation	83 %
Signal delay	≥ 4.00 ns/m
Screening effectiveness	≥ 90 dB

Mechanical Data

Weight	267 g/m
Min. bending radius	76.2 mm

Environmental Data

Temperature range	-65°C to +165°C
RoHS (2011/65/EU)	compliant

Typical Attenuation

Frequency (GHz)	Typical Attenuation (dB/m) @ 25°C sea level	Typical Attenuation (dB/ft) @ 25°C sea level	Max. CW power (Watt) @ 20°C sea level
0.04	0.02	0.006	7500
1	0.10	0.030	3250
2	0.14	0.043	2260
4	0.21	0.064	1650
6	0.26	0.080	1300
8	0.31	0.095	1100
10	0.36	0.109	950
11	0.38	0.116	900

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	N/A
Center Contact Captivation: axial	≥ 27 N
Weight	0.0040 kg
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.9 Nm

Environmental Data

Temperature Range	-60°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100

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