



94 Jackson Road, Suite 110 Devens, MA 01434-4012 USA

TESTCABLZ™ - BLU405 Cable Assembly Specification Sheet

FEATURES:

Robust connector attachment
RoHS Compliant
DC-18GHz coverage
1.20:1 max VSWR
-55°C to +200°C operating temperature



CABLE PARAMETERS:

Electrical

Item	Specification
Operating frequency	DC-18GHz
Dielectric resistance	1000MΩ/km minimum
Test voltage	5000 Vrms
Continuous working voltage	1900 Vrms
Velocity of propagation	69.5% nominal
Capacitance	32 pF/ft maximum
Leakage	-110dBc
Phase Stability	+/- 3°
Characteristic impedance	50 +/- 2Ω
Weight, approximate	19.1 kg/km
Attenuation, maximum	14dB/100ft (0.46dB/m) @400MHz 23dB/100ft (0.75dB/m) @ 1GHz 39dB/100ft (1.28dB/m) @ 3GHz 52dB/100ft (1.71dB/m) @5GHz 80dB/100ft (2.62dB/m) @10GHz 110dB/100ft (3.61dB/m) @18GHz

Mechanical

Item	Material	Diameter
Center conductor	SPCW	0.02" (0.511mm)
Dielectric resistance	PTFE	0.064" (1.63mm)
Inner shield	SPC tape	0.071" (1.80mm)
Braid	SPC	0.086" (2.18mm)
Jacket	FEP	0.104" (2.64mm)
Min Centerline Bend Radius	6mm	

The Series

RMI P/N	Overall Length	Connectors
RMCA.12.TCBLZ5.Smm	12	SMA male/male
RMCA.18.TCBLZ5.Smm	18	SMA male/male
RMCA.24.TCBLZ5.Smm	24	SMA male/male
RMCA.36.TCBLZ5.Smm	36	SMA male/male
RMCA.48.TCBLZ5.Smm	48	SMA male/male
RMCA.12.TCBLZ5.SNmm	12	SMA male/N male
RMCA.18.TCBLZ5.SNmm	18	SMA male/N male
RMCA.24.TCBLZ5.SNmm	24	SMA male/N male
RMCA.36.TCBLZ5.SNmm	36	SMA male/N male

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RMCA.48.TCBLZ5.SNmm	48	SMA male/N male
RMCA.12.TCBLZ5.Nmm	12	N male/male
RMCA.18.TCBLZ5.Nmm	18	N male/male
RMCA.24.TCBLZ5.Nmm	24	N male/male
RMCA.36.TCBLZ5.Nmm	36	N male/male
RMCA.48.TCBLZ5.Nmm	48	N male/male