NON-CATALOG FLEX E-Z Lock Interconnect Cable

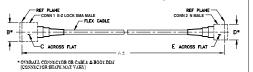
1M DC to 18 GHz **50**Ω

Maximum Ratings

Operating Temperature	-55°	C to 105°C
Storage Temperature	-55°	C to 105°C
Power Handling at 25°C,	270W a	at 1 GHz
Sea Level	180W a	at 2 GHz
	120W a	at 4 GHz
	62W a	at 12 GHz
	47\N/ a	at 18 GHz

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Outline Dimensions (inch)

A	۱.	в	С	D	E	Т		wt	
						Inches			
3.28	1.00	10.92		21.59	19.99	+0.79/-0	+20/-0	85	

Cable Cross Section

Jacket		Outer Shield
InterlayerShield	$(\bullet))$	Inner Shield
Inner	S	Dielectric

Cable Construction	on
Inner Conductor	Solid Silver Plated Copper
Dielectric	Solid PTFE
Shield	Silver-Plated Copper tape under Silver-Plated Copper Braid
Jacket	Blue FEP
Connectors (N)	
captive contact gold plated brass co PTFE dielectric E-Z Lock SMA	enter contacts

retracted to the open position



locking sleeve closed and in locked position, securing the SMA connection



Product Guarantee*

Mini-Circuits® will repair or replace your test cable at its option if the connector attachment fails within six months of shipment. This guarantee excludes cable or connector interface damage from misuse or abuse.

Notes

Features

- · E-Z Lock connector on one end for easy mating & demating
- extra rugged construction with strain relief for longer life
- · stainless steel N connector for long mating-cycle life useful over temperature range, -55°C to 105°C
- · double shield cable for excellent shielding effectiveness
- flexible for easy connection & bend
- excellent stability of insertion loss, VSWR & phase after thousands of flex cycles
- 6 month guarantee*

Applications

- dense RF connect · commercial and military systems to 18 GHz
- multi-port telecom systems

QBL1MSMQ-NM+



CASE STYLE: GM1530-3.28	

Connectors		Model	Price	Qty.
Conn1	Conn2			
SMA-Male E-Z Lock	N-Male	QBL1MSMQ-NM+	Contact S	Sales Dept

+RoHS Compliant

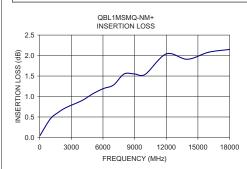
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

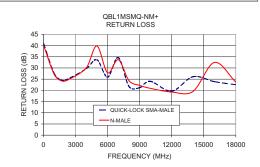
Electrical Specifications at 25°C

Parameter	Condition (GHz)	Min.	Тур.	Max.	Units
Frequency Range		DC		18	GHz
Length			1		М
	DC - 2	_	0.4	0.4 1.0	
Insertion Loss	2-6 — 0.8 1.8	1.8	dB		
Insertion Loss	6 - 12	_	1.4	2.5	uв
	12 - 18	_	1.8	2.9	
	DC - 2	20	38	—	
Deturn Less	2 - 6	20	30	—	dB
Return Loss	6 - 12	13.5	29	—	uв
	12 - 18	13.5	25	—	

Custom sizes available, consult factory.

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)		
		E-Z Lock SMA-M	N-MALE	
10.0	0.04	41.0	40.1	
1000.0	0.45	27.5	27.2	
1750.0	0.61	24.4	24.2	
2500.0	0.73	25.6	25.2	
4000.0	0.90	29.7	30.1	
5000.0	1.06	33.7	39.8	
6000.0	1.19	25.9	27.8	
7000.0	1.28	34.6	33.7	
8000.0	1.55	21.8	24.4	
9000.0	1.55	21.2	22.2	
10000.0	1.54	24.0	20.9	
12000.0	2.04	19.7	19.3	
14000.0	1.91	26.1	19.6	
16000.0	2.08	23.9	32.5	
18000.0	2.15	22.5	23.7	





A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document

Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp В. С.

