FLEX TEST™

Test Cable

CBL-6NM-75+

75Ω 6FT DC to 3000 MHz

CASE STYLE: ND1920-6

Connectors		Model
Conn1	**Conn2**	
N-MALE	**N-MALE**	CBL-6NM-75+

Maximum Ratings

Operating Temperature	-55°C to 105°C
Storage Temperature	-55°C to 105°C
Power Handling at 25°C,	338W at 0.5 GHz
Sea Level	210W at 1 GHz
	143W at 2 GHz
	98W at 3 GHz

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

Features

- RoHS compliant
- wideband coverage, DC to 3000 MHz
- extra rugged construction with strain relief for longer life
- stainless steel N-Male connectors for long mating-cycle life
- useful over temperature range, -55°C to 105°C
- triple shield cable for excellent shielding effectiveness
- flexible for easy connection & bend radius
- 6 month guarantee*

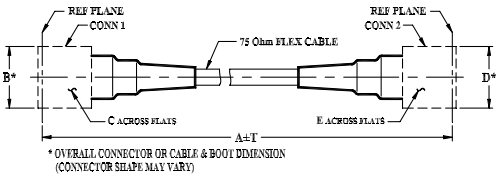
Applications

- high volume production test stations
- research & development labs
- environmental & temperature test chambers
- replacement for OEM test port cables
- field RF testing
- cellular infrastructure site testing

+RoHS Compliant

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

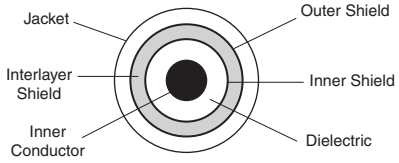
Outline Drawing



Outline Dimensions (inch / mm)

A		B	C	D	E	T		wt
Feet	Meters	.81	.750	.81	.750	Feet	Meters	grams
6	1.83	20.57	19.05	20.57	19.05	0.18	0.05	185

Cable Cross Section



Cable Construction	
Inner Conductor	Solid Silver Plated Copper Clad Steel
Dielectric	Solid PTFE
Shield	Silver-Plated Copper Flat Ribbon Braid Aluminum-Polymide Tape Interlayer Silver-Plated Copper Braid (90%k)
Jacket	Blue FEP
Connectors	
• passivated stainless steel • thick wall interface (SMA) • gold plated beryllium copper center contacts • PTFE dielectric	

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.

Electrical Specifications at 25°C

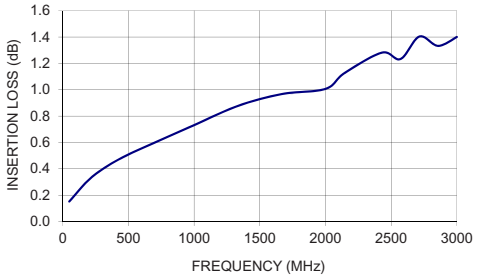
Parameter	Condition (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC		3000	MHz
Length[1]			6		FT
Insertion Loss	DC - 500	—	0.51	0.66	dB
	500 - 1000	—	0.75	0.93	
	1000 - 2000	—	1.02	1.32	
	2000 - 3000	—	1.43	1.64	
Return Loss	DC - 500	26	36	—	dB
	500 - 1000	26	30	—	
	1000 - 2000	23	26	—	
	2000 - 3000	23	25	—	

1. Custom sizes available, consult factory.

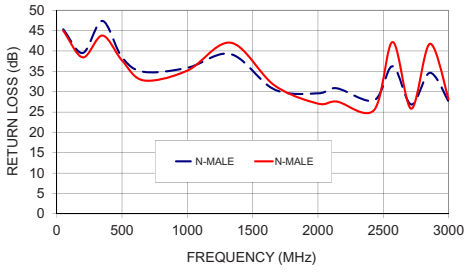
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	
		N-MALE	N-MALE
50	0.15	45.3	45.0
200	0.32	39.5	38.4
350	0.43	47.4	43.8
500	0.51	38.4	37.7
667	0.58	34.9	32.8
1000	0.73	35.9	35.2
1334	0.88	39.2	42.0
1667	0.97	30.5	31.5
2000	1.01	29.6	27.1
2144	1.13	30.8	27.6
2429	1.28	27.9	25.5
2572	1.23	36.2	42.2
2715	1.40	26.8	25.8
2857	1.33	34.6	41.8
3000	1.40	27.6	28.1

CBL-6NM-75+
INSERTION LOSS



CBL-6NM-75+
RETURN LOSS



Notes

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.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. 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-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp