

75Ω Test Cable

CBL-FM-75+ Model Series

F-Conn DC to 3000 MHz



The Big Deal

- Wideband, DC to 3000 MHz
- Excellent Return Loss
- Performance Qualified to 20,000 Flexures

CASE STYLE:: ND1919

XX= cable length in inches

Product Overview

Mini-Circuits CBL-FM-75+ series 75Ω test cables provide extra rugged durability and flexibility for easy connections and long life in test environments. These cables support 75Ω test applications from DC to 3000 MHz and provide outstanding return loss and low insertion loss across their full frequency range with power handling up to 338W. They're performance qualified up to 20,000 flex cycles and feature triple-shielded cable construction with F-type (M) to F-type (M) connectors. Available in a variety of lengths.

Key Features

Feature	Advantages
Wideband, DC to 3000 MHz	Wide frequency range covers many applications.
High power handling: • 338W @ 0.5 GHz • 98W @ 3 GHz	High power handling makes CBL test cables suitable for applications with a wide range of requirements.
Excellent return loss and low insertion loss (varies with length)	Well matched for 75Ω systems across the entire frequency band.
Extra rugged, triple shield cable construction	CBL-FM-75+ test cables provide outstanding durability, flexibility, and shielding effectiveness.
Passivated stainless steel F-Male connectors	Long connector mating cycle life.
Superior stability of insertion loss and return loss	Reliable performance in almost any test layout configuration.

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



75Ω Test Cable

F-Conn 1m DC to 3000 MHz

CBL-1MFM-75+

Maximum Ratings

Operating Temperature	-55°C to 105°C
Storage Temperature	-55°C to 105°C
Power Handling at 25°C, Sea Level	338W at 0.5 GHz 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 F-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



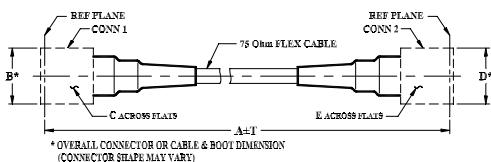
CASE STYLE: ND1919-3.28

Connectors	Model
Conn1 F-MALE	Conn2 F-MALE

+RoHS Compliant

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

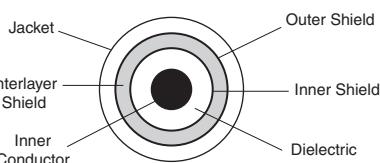
Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	T	wt
3.28	.54	.500	.54	.500	.10	grams
1.00	13.72	12.70	13.72	12.70	0.03	125.0

Cable Cross Section



Cable Construction

Inner Conductor	Solid Silver Plated Copper Clad Steel
Dielectric	Solid PTFE
Shield	Silver-Plated Copper Flat Ribbon Braid Aluminum-Polyimide Tape Interlayer Silver-Plated Copper Braid (90%k)
Jacket	Blue FEP
Connectors	

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.

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