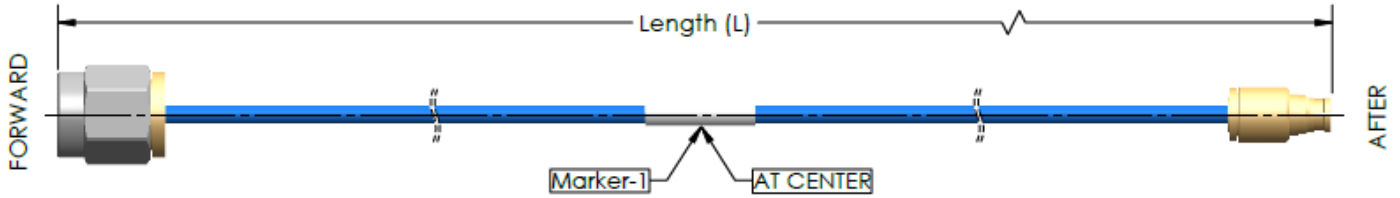


THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1

REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	05/14/22	SVP



Dwg. Number	Customer P/N	Smart P/N	Length(L) in 'INCH'
IE-00272-01		IB047SMSMPF4.0IN	4 +0.16/-0
IE-00272-02	-	IB047SMSMPF6.0IN	6 +0.24/-0
IE-00272-03		IB047SMSMPF8.0IN	8 +0.32/-0
IE-00272-04		IB047SMSMPF10.0IN	10 +0.40/-0
IE-00272-05	-	IB047SMSMPF12.0IN	12 +0.48/-0

1.0 Scope

This drawing documents the construction and performance of INSTABEND 047 cable assemblies manufactured by Times Microwave systems.

2.0 Cable Information

- 2.1 Cable to be INSTABEND 047
- 2.2 Jacket color to be Blue
- 2.3 Jacket material to be FEP
- 2.4 Nominal cable impedance to be 50 ohms
- 2.5 Cable diameter to be 0.061inch [1.55mm] (Nominal).


3.0 Connector Information:

- 3.1 Forward Connector:
 - Type SMA (M) Connector (47396)
 - Connector Body – Stainless Steel, Passivated
 - Center Contact – Beryllium Copper, Gold Plated
- 3.2 After Connector:
 - Type SMP (F) Connector (47432)
 - Connector Body – Stainless Steel, Gold Plated
 - Center Contact – Beryllium Copper, Gold Plated

Unless otherwise specified, dimensions are in INCH. Tolerances are applicable when specified.

These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.

Approvals		
Drawn	SVP	05/14/22
Checked		
Approved		



TIMES MICROWAVE SYSTEMS
www.timesmicrowave.com

INSTABEND 047 CABLE ASSEMBLY

Size A	CAGE CODE 68999	Drawing No.: IE-00272-XX
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Scale: NA	Rev. (A)	Sheet: 1 of 2
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THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1

REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	05/14/22	SVP

4.0 Electrical Performance

Dwg. Number	Max. Insertion Loss in (dB)	Max. VSWR	
	@ 10MHz – 18000 MHz	10MHz – 12400 MHz	@ 12400 – 18000 MHz
IE-00272-01	0.98	1.35	1.50
IE-00272-02	1.33	1.35	1.50
IE-00272-03	1.68	1.35	1.50
IE-00272-04	2.03	1.35	1.50
IE-00272-05	2.38	1.35	1.50

5.0 Mechanical Performance

- 5.1 Overall Length to be specified length.
- 5.2 Minimum Bend radius is 0.750inch [19.05mm].

6.0 Environmental Performance

- 6.1 Installation Temperature Range (-65°C to +125°C)
- 6.2 Storage Temperature Range (-65°C to +125°C)
- 6.3 Operating Temperature Range (-65°C to +125°C)

7.0 NOTES

1. Unless Otherwise Specified: Tolerance will be

Linear Dimension	Tolerance
INCH	INCH
<20	±0.4
20-79	±0.6
>79	±0.8

****Tolerances are not accumulative.**

Unless otherwise specified, dimensions are in INCH. Tolerances are applicable when specified.

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Approvals		
Drawn	SVP	05/14/22
Checked		
Approved		



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INSTABEND 047 CABLE ASSEMBLY

Size A	CAGE CODE 68999	Drawing No.: IE-00272-XX
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Scale: NA

Rev. (A)

Sheet: 2 of 2