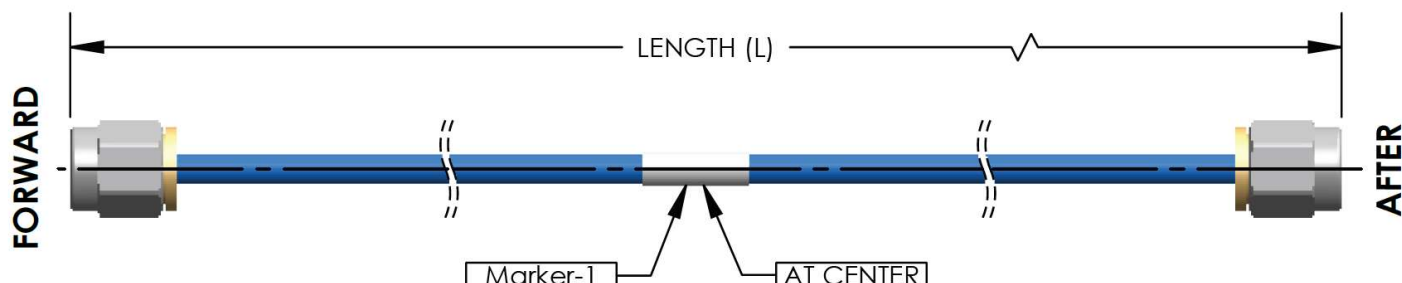


THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1

REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	08/19/21	AG



Dwg. Number	Customer P/N	Smart P/N	Length(L) in 'INCH'
IE-00144-01	-	IB086-KMKM-6.0IN	6 +0.12/-0
IE-00144-02	-	IB086-KMKM-8.0IN	8 +0.16/-0
IE-00144-03	-	IB086-KMKM-10.0IN	10 +0.2/-0
IE-00144-04	-	IB086-KMKM-12.0IN	12 +0.24/-0

### 1.0 Scope

This drawing documents the construction and performance of INSTABEND 086 cable assemblies manufactured by Times Microwave systems.

### 2.0 Cable Information

- 2.1 Cable to be INSTABEND-405
- 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 0.105 inch [2.67mm] (Nominal).

### 3.0 Connector Information:

- 3.1 Forward Connector:  
K Type (2.92mm) Male Connector (47393)  
Connector Body – Stainless Steel, Gold Plated  
Center Contact – Beryllium Copper, Gold Plated
- 3.2 After Connector:  
K Type (2.92mm) Male Connector (47393)  
Connector Body – Stainless Steel, Gold Plated  
Center Contact – Beryllium Copper, Gold Plated

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

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

### Approvals

Drawn	AG	08/19/21
Checked	VS	08/19/21
Approved	VS	08/19/21



TIMES MICROWAVE SYSTEMS

www.timesmicrowave.com

### INSTABEND 086 CABLE ASSEMBLY

Size A	CAGE CODE <b>68999</b>	Drawing No.: IE-00144-XX
Scale: NA	Rev. (A)	Sheet: 1 of 2

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

REV	DESCRIPTION	DATE	BY
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#### 4.0 Electrical Performance

Dwg. Number	Max. Insertion Loss in (dB)	Max. VSWR	
	@ 10MHz – 40000 MHz	10MHz – 27000 MHz	@ 27000 – 40000 MHz
IE-00144-01	1.60	1.25	1.40
IE-00144-02	1.90	1.25	1.40
IE-00144-03	2.25	1.25	1.40
IE-00144-04	2.60	1.25	1.40

#### 5.0 Mechanical Performance

- 5.1 Overall Length to be specified length.  
5.2 Minimum Bend radius is 0.3inch [6.4mm].

#### 6.0 Environmental Performance


- 6.1 Installation Temperature Range (-60°C to +125°C)  
6.2 Storage Temperature Range (-60°C to +125°C)  
6.3 Operating Temperature Range (-60°C to +125°C)

#### 7.0 Marking Details

- 7.1 Markers are to be black text on White Color Marker Sleeve.  
7.2 Marker Configuration to be:

Dwg. Number	Marker 1
IE-00144-01	Times Microwave Systems IB086KMKM6i CAGE: 68999, S/N-\$\$\$\$\$
IE-00144-02	Times Microwave Systems IB086KMKM8i CAGE: 68999, S/N-\$\$\$\$\$
IE-00144-03	Times Microwave Systems IB086KMKM10i CAGE: 68999, S/N-\$\$\$\$\$
IE-00144-04	Times Microwave Systems IB086KMKM12i CAGE: 68999, S/N-\$\$\$\$\$

- 7.3 \$\$\$\$\$ = 5-digit Serial Number.  
7.4 Register to be Maintained for Serial Number.

Unless otherwise specified, dimensions are in MM. Tolerances are applicable when specified.	Approvals				TIMES MICROWAVE SYSTEMS		
	Drawn	AG	08/19/21		www.timesmicrowave.com		
	Checked	VS	08/19/21	INSTABEND 086 CABLE ASSEMBLY			
	Approved	VS	08/19/21				
				Size A	CAGE CODE 68999	Drawing No.: IE-00144-XX	
			Scale: NA		Rev. (A)	Sheet: 2 of 2	

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