

# Coaxial Cable Assembly, 2.40 mm (M) ST. to 2.40 mm (M) ST. Flexible 086, Phase Matched Cable

## Package Contents

Cable	1 Pc
Protection Cap	2 Pcs

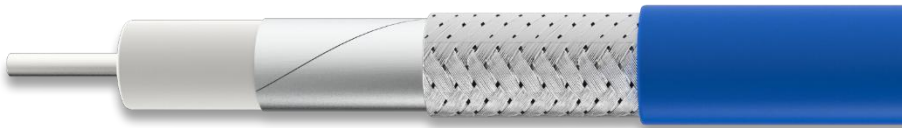
## Cable Configuration

Connector 1	2.40 mm Male
Connector 2	2.40 mm Male
Type of Cable	086 Flexible

## Materials

Description	Material	Finish
Center Pin	Beryllium Copper	Gold Plated
Connector Body	Stainless Steel	Passivated

SPC Solid      PTFE      Helically Wrapped Shield      Braided Shield      FEP Jacket



## Mechanical Specifications

Shield Diameter	0.086 inch (2.18 mm)
Durability	Bend Flex Test: >2000 Cycles
	Pull Out Test: 10 lbs minimum
Minimum Bending Radius	Static: 11 mm
	Dynamic: 22 mm

## Environmental Specifications

Operating Temperature Range	-55 to +125 °C
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## Features:

- High Performance Low Loss Cables
- Phase Stable Assemblies
- Time delay matched to +/- 0.5 ps or +/-0.15 ps
- Robust Precision Connectors Termination
- High Flex Cycles

## Applications:

- High Speed IO Test Setup: Instrumentation Connection to DUT Eval Boards
- Pairs Well with Multilane Data Center Test Solutions such as MCB and HCB test Fixtures



# Coaxial Cable Assembly, 2.40 mm (M) ST. to 2.40 mm (M) ST. Flexible 086, Phase Matched Cable

## Electrical Specifications

Impedance	50 Ohms
Frequency Range	DC to 50 GHz
V.S.W.R.	1.3 max. at 50 GHz
Velocity of Propagation	82%

Cable Length	Measured Insertion Loss			
	(at 12.5 GHz)	(at 26 GHz)	(at 40 GHz)	(at 50 GHz)
15 cm	-0.47 dB	-0.73 dB	-0.88 dB	-1.06 dB
30 cm	-0.83 dB	-1.28 dB	-1.67 dB	-1.92 dB
60 cm	-1.55 dB	-2.38 dB	-3.25 dB	-3.64 dB

## How to Order:

Customer Part Number: MLCC-240MST-F086**ZZ**-240MST-**Y-X**

Length in cm

Phase Matched Cable Sets

*null*: single cable

<b>03</b> : skew $\leq$ 0.3 ps (phase match $\pm$ 0.15 ps)	<b>2</b> : set of 2 cables
<b>1</b> : skew $\leq$ 1 ps (phase match $\pm$ 0.5 ps)	<b>4</b> : set of 4 cables
	<b>8</b> : set of 8 cables
	<b>16</b> : set of 16 cables
	<b>32</b> : set of 32 cables

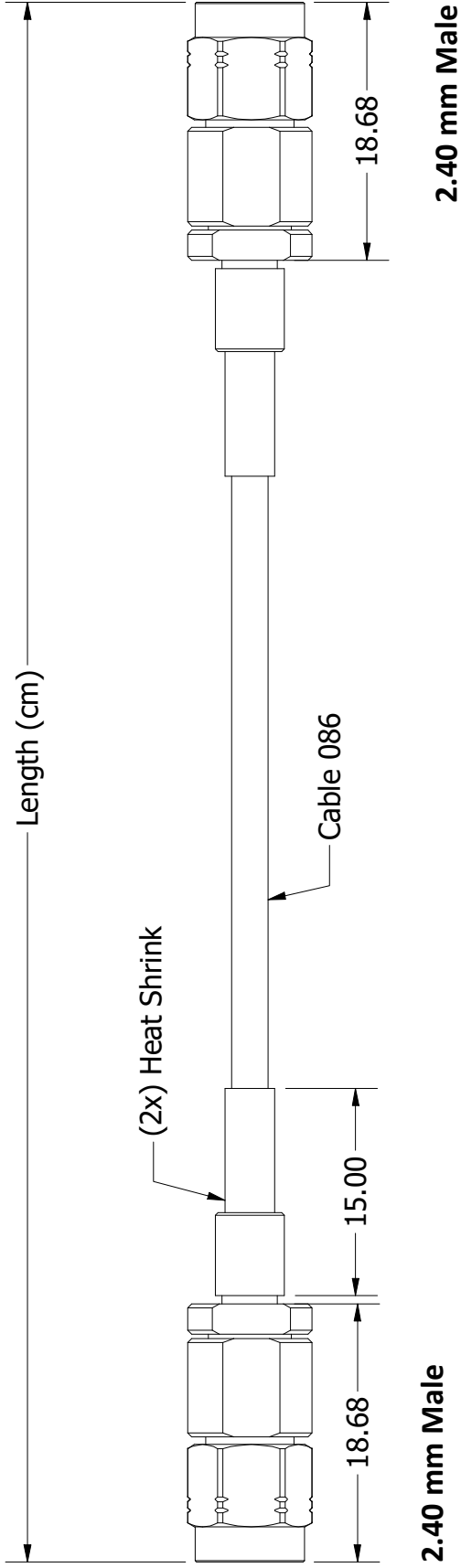
## Example:

PN: MLCC-240MST-F08615-240MST-1-4

Description: Coaxial Cable Assembly, 2.40 mm (M) ST. to 2.40 mm (M) ST., 15 cm, Flexible 086, Phase Matched to  $\pm$  0.5 ps, set of 4 Cables.

# CAD Drawing

MLCC-240MST-F086ZZ-240MST



**Title:**

Coaxial Cable Assembly, 2.40 mm (M) ST. to  
2.40 mm (M) ST., Flexible 086, Phase  
Matched Cable

**Notes:**

- 1. All dimensions are in millimetres unless otherwise specified.
- 2. These characteristics are typical and for reference.



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**Rev:** A

**Scale:** 2:1