

Coaxial Cable Assembly, 1.85 mm (F) ST. to 1.85 mm (F) ST. Flexible 047, Phase Matched Cable

Package Contents

Cable	1 Pc
Protection Cap	2 Pcs

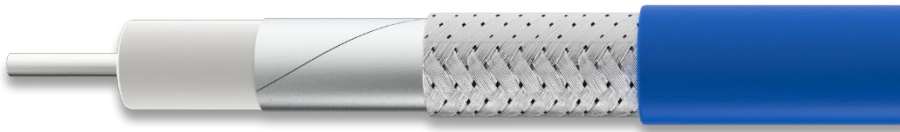
Cable Configuration

Connector 1	1.85 mm Female
Connector 2	1.85 mm Female
Type of Cable	047 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	0.047 inch (1.19 mm)
Durability	Bend Flex Test: >2000 Cycles
	Pull Out Test: 10 lbs minimum
Minimum Bending Radius	Static: 7 mm
	Dynamic: 15 mm

Environmental Specifications

Operating Temperature Range	-45 to +200 °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



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Electrical Specifications

Impedance	50 Ohms
Frequency Range	DC to 67 GHz
V.S.W.R.	1.3 max. at 67 GHz
Velocity of Propagation	80%

Cable Length	Measured Insertion Loss			
	(at 12.5 GHz)	(at 26 GHz)	(at 53 GHz)	(at 67 GHz)
15 cm	-0.82 dB	-1.2 dB	-1.88 dB	-2.2 dB
20 cm	-1.06 dB	-1.53 dB	-2.42 dB	-2.84 dB
30 cm	-1.55 dB	-2.2 dB	-3.5 dB	-4.12 dB
60 cm	-3.01 dB	-4.20 dB	-6.74 dB	-7.96 dB
80 cm	-3.98 dB	-5.53 dB	-8.9 dB	-10.52 dB

How to Order:

Customer Part Number: MLCC-185FST-F047ZZ-185FST-Y-X

Length in cm

Phase Matched Cable Sets

null: single cable

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

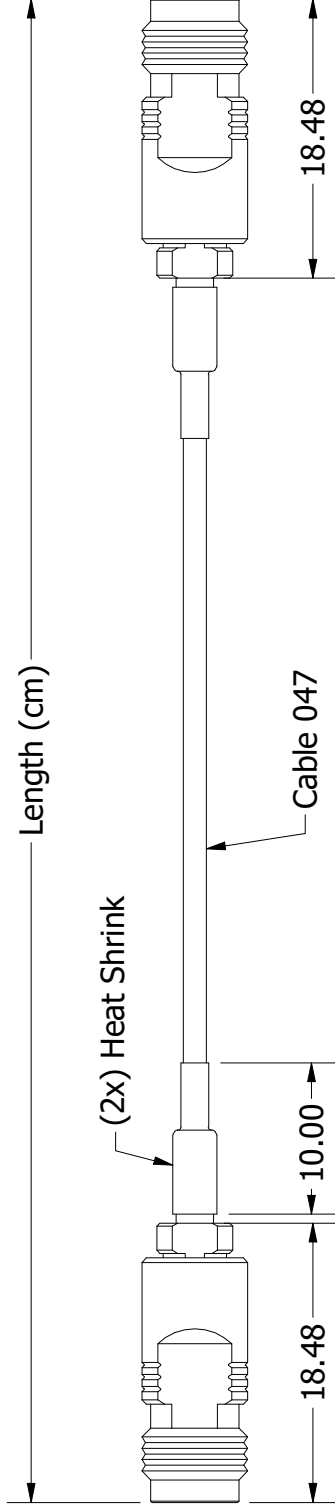
Example:

PN: MLCC-185FST-F04715-185FST-1-4

Description: Coaxial Cable Assembly, 1.85 mm (F) ST. to 1.85 mm (F) ST., 15 cm, Flexible 047, Phase Matched to \pm 0.5 ps, set of 4 Cables.

CAD Drawing

MLCC-185FST-F047ZZ-185FST



1.85 mm Female

1.85 mm Female

Title:

Coaxial Cable Assembly, 1.85 mm (F) ST. to
1.85 mm (F) ST., Flexible 047, Phase
Matched Cable

Notes:

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

Rev: A

Scale: 2:1

multiLane

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