



About Us

As the flagship company of NeST Group, SFO Technologies is a leading ODM Plus Service Provider, delivering cutting-edge, end-to-end solutions across industries such as Healthcare, Communications, Industrial & Energy, Transportation, Semiconductors, and Space. With a strong focus on Industry 4.0, we empower leading OEMs worldwide with innovation-driven solutions.

Our Core Offerings:

- Product Design & Development
- Engineering & Software Solutions
- Manufacturing Services

Expertise Across Technologies:

- Digital Electronics & RF/Wireless Technologies
- Power Supplies & Wire Harnessing
- Fiber Optics & Optronics
- Mechanical, Plastics & Precision Machining
- Test Engineering & Automation

Our Components Division specializes in Magnetics and Latching Relays, reinforcing our capabilities in advanced electronic components.

Headquartered in Kochi, India, we are supported by Centers of Excellence in Optronics, Power Electronics, RF & Wireless, and Test Engineering & Automation. Our state-of-the-art manufacturing facilities, located in Kochi, Trivandrum, Bangalore, Mysore, and the USA, cater to both High-Mix Low-Volume and High-Volume Low- Mix production models.

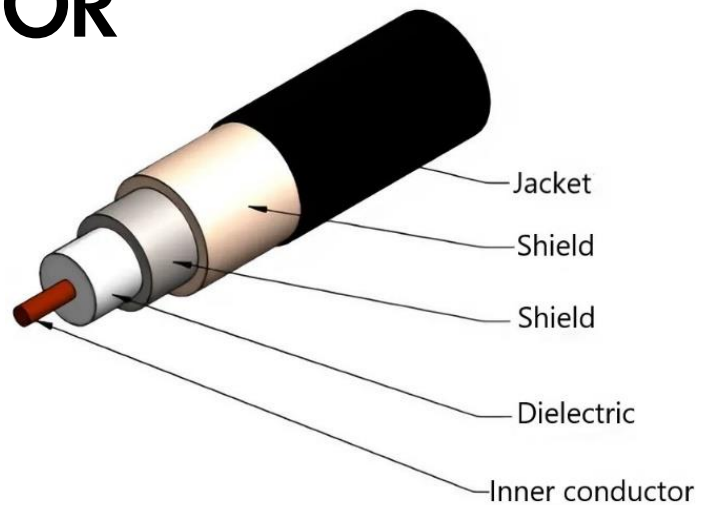
At SFO Technologies, sustainability is embedded in everything we do—from eco-friendly product designs to responsible manufacturing practices—ensuring minimal environmental impact while delivering world-class solutions.



RF CABLE USING **MULTIFLEX_86**, WITH SMA RIGHT MALE TO SMA RIGHT MALE CONNECTOR

SFO-SS85MXF

- Shield: Double shielded
- Fluorinated ethylene propylene jacket
- Silver plated copper conductor
- Lower signal losses



Configuration:

Connector 1	Connector 2	Cable Type	Cable Flex Type
SMA Right Male	SMA Right Male	MULTIFLEX_86	Flexible

Electrical Specification:

Description	Minimum	Typical	Maximum	Units
Impedance		50		Ohm
Operating Frequency	DC		18	GHz
VSWR			1.35:1	
Insertion Loss			4.44	dB
Velocity of Propagation		70.6		%
Capacitance		95		[pF/m]
Operating Voltage (AC)		≤1.5		K Vrms



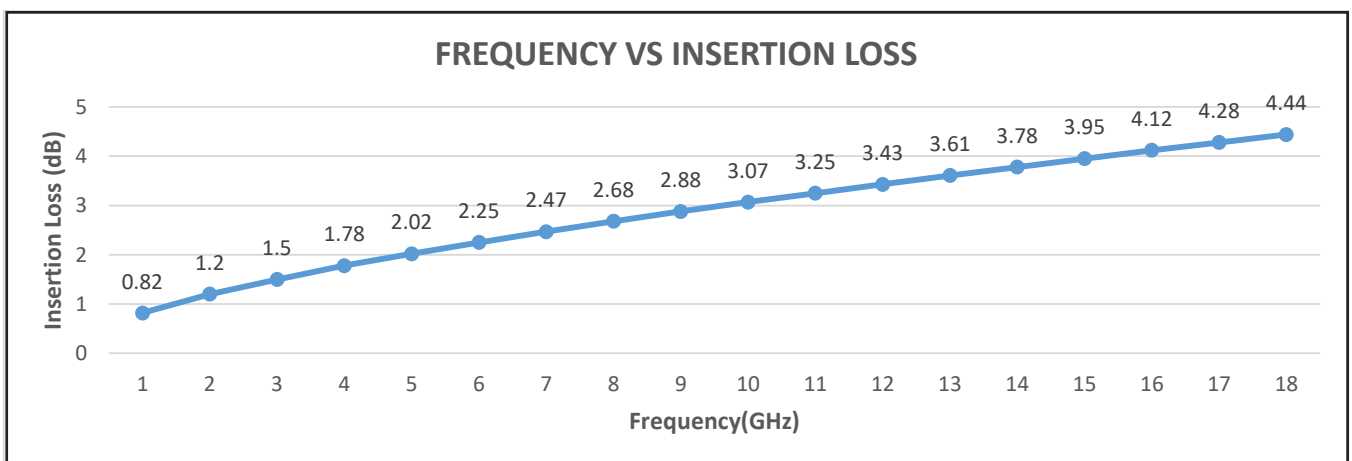
Typical Performance Data:

Frequency (GHz)	Insertion Loss(dB)
1	0.82
2 GHz	1.20
3 GHz	1.50
4 GHz	1.78
5 GHz	2.02
6 GHz	2.25
7 GHz	2.47
8 GHz	2.68
9GHz	2.88
10GHz	3.07
11GHz	3.25
12GHz	3.43
13GHz	3.61
14GHz	3.78
15GHz	3.95
16GHz	4.12
17GHz	4.28
18GHz	4.44

Mechanical Data:

- Length: 850mm
- Cable Diameter: 2.65 ±0.1 mm
- Min. bend radius:
 - Static : 6mm
 - Dynamic :20mm
- Operating Temperature:
 - 46°C to 115°C

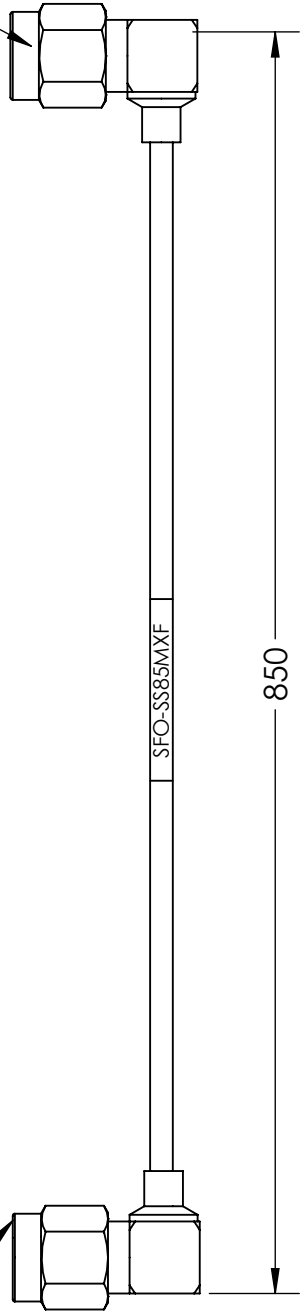
Frequency vs Insertion Loss Plot:



Plot No. 2, Cochin Special Economic Zone,
Kakkanad, Kochi (Cochin) – 682 037, INDIA

+91-484-661 4300
contact@nestgroup.net

SMA right male



850

SFO-SS85MXF

TITLE

SMA RIGHT MALE TO SMA RIGHT MALE CABLE USING MULTIFLEX_86

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS

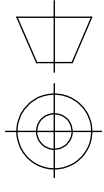
TOLERANCES FOR CABLE LENGTH

<12 (305)	+0.25(6.35)
12(305) to 30(762)	+1.0(25.4)
30(762) to 60(1524)	+2.0(50.8)
60(1524) to 100(2540)	+3.0(76.2)
100(2540) to 150(3810)	+4.0(101.6)
>150(3810)	5% (127)

DRAWN BY	ARIF	SIZE	A4
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PRODUCT CODE
SFO-SS85MXF

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www.sfotechnologies.net



SCALE
NONE

SHEET
1 of 1

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