

TLBend Ultra Flexible RF Cable Assembly

TLBend086/SMA Male /SMA Female/DC-26.5GHz

TLBend086-SMAMSMAF-L

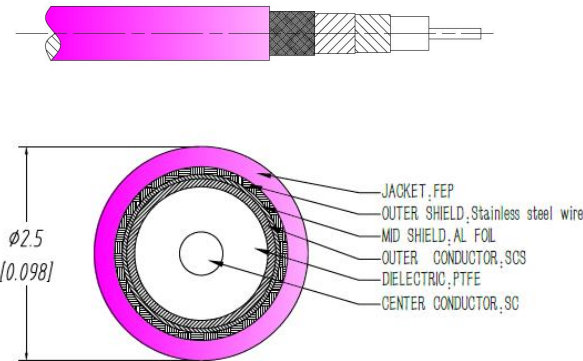
Features:

- Max Frequency 26.5GHz
- VSWR max of 1.35
- Velocity of Propagation of 70%

Applications:

- Test & Measurement equipment
- Manufacturing lab
- WAN system equipment

Cable Cross Section:



Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	DC		26.5	GHz
VSWR		1.25	1.35	:1
Velocity of propagation		70%		
Shielding Effectiveness	90			dB
Capacitance		95.2		pF/m
Phase Stability Vs. Flexure@26.5GHz		±5		°
Amplitude Stability Vs.Flexure@26.5GHz		±0.08		dB

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Cable Diameter	2.5	mm
Cable Jacket	FEP	
Min. Static Bending Radius	5.08	mm
Min. Repeated Bending Radius	25	mm
Operating Temerature	-55 to +125	°C
Storage Temerature	-55 to +125	°C

Cable Performance By Frequency:

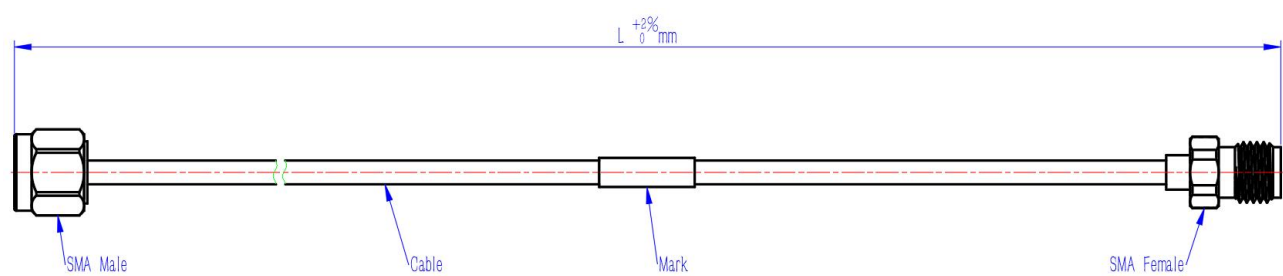
Frequency	1 GHz	1.5 GHz	2 GHz	4 GHz	6 GHz	8 GHz	10 GHz	12 GHz	18 GHz	26.5 GHz
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Insertion Loss

Connectors:

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Contact Material And Plating	Beryllium Copper,Gold	Beryllium Copper,Gold
Dielectric Type	PTFE	PTFE
Body Material And Plating	Passivated Stainless Steel	Passivated Stainless Steel
Insertion Loss (dB Max)	0.05* $\sqrt{f_GHz}$	0.05* $\sqrt{f_GHz}$

Outline Drawing:



Ordering Information:

Base Number	Lenth (Inches)
TURbend086-SMAMSMAFL	-L

Standard Model:

Part#	L (Inch)	2 GHz		12.4 GHz		18 GHz		24 GHz	
		VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)
TURbend086-SMAMSMAFL 3	3	1.15	0.19	1.20	0.40	1.30	0.54	1.30	0.63
TURbend086-SMAMSMAFL 4	4	1.15	0.23	1.20	0.48	1.30	0.65	1.30	0.75
TURbend086-SMAMSMAFL 6	6	1.15	0.29	1.20	0.65	1.30	0.84	1.30	0.99
TURbend086-SMAMSMAFL 8	8	1.15	0.35	1.20	0.82	1.30	1.05	1.30	1.22
TURbend086-SMAMSMAFL 10	10	1.15	0.41	1.20	0.98	1.30	1.24	1.30	1.46
TURbend086-SMAMSMAFL 12	12	1.15	0.47	1.20	1.15	1.30	1.42	1.30	1.68
TURbend086-SMAMSMAFL 14	14	1.15	0.56	1.20	1.35	1.30	1.62	1.30	1.92
TURbend086-SMAMSMAFL 16	16	1.15	0.60	1.20	1.46	1.30	1.81	1.30	2.14
TURbend086-SMAMSMAFL 18	18	1.15	0.66	1.20	1.64	1.30	2.05	1.30	2.38

Typical Performance Data:

Model: :TLBend086-SMAMSMAM-4

