

## Flexible Ultra Low Loss Coax Cable Assembly

A40/SMA Male / SMA Male/DC-26.5 GHz

Model: A40-SMAMSMAM-L



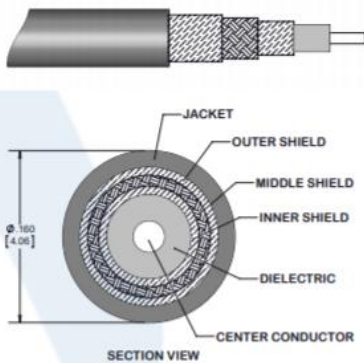
### Features:

- Max Frequency 26.5 GHz
- VSWR max of 1.30
- Velocity of Propagation of 76%

### 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	1.3	:1
Velocity of propagation				
Shielding Effectiveness	90			dB
Capacitance				
Phase Stability Vs. Flexure				
Amplitude Stability Vs. Flexure				

### Environmental And Physical Characteristics:

Description	Parameter	Units
Cable Diameter	3.6	mm
Cable Jacket	FEP	
Min. Bending Radius	18	mm
Typical Flex life	50000	
Operating Temperature	-48 to +85	°C
Storage Temperature	-48 to +85	°C

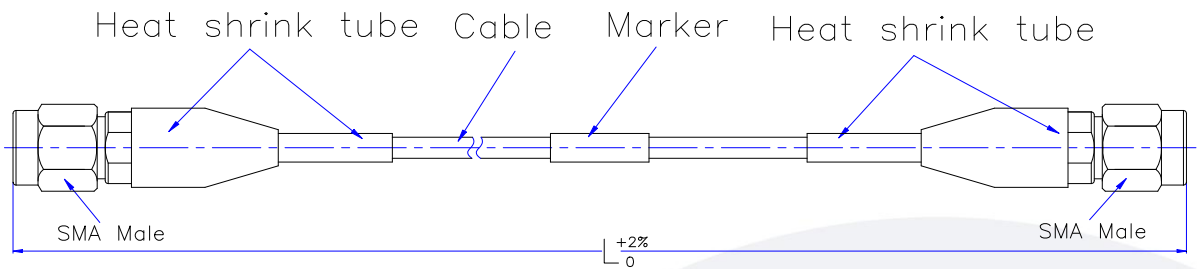
### Cable Performance By Frequency

Frequency	2 GHz	4 GHz	6 GHz	8 GHz	10 GHz	12 GHz	13.5 GHz	18 GHz	26.5 GHz
Insertion Loss (dB/m Max)	0.53	0.76	0.94	1.09	1.22	1.35	1.43	1.67	
RF Power CW (W Max.)	359	255	204	176	157	142	134	115	

### Connectors:

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Contact Material And Plating	Berylium Copper,Gold	Berylium 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	Armour (optional)	Phase/delay Matched (optional)
A15-SMAMSMAM	-L	-A(Black nylon woven armor) 	
		-AP(PUR water proof armor) 	-XXPS( $\leq \pm XX$ PS)
		-AS(Stainless steel armor) 	-XX°( $\pm XX$ °)
		-AT(Transparent armor) 	

## Typical Performance Data:

Model:A40-S11S11-1m

Frequency	3 GHz		6 GHz		12 GHz		18 GHz		26.5 GHz	
	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
Insertion Loss	0.53	0.76	0.94	1.09	1.22	1.35	1.43	1.67		
VSWR	1.05	1.1	1.08	1.15	1.1	1.2	1.2	1.25		

