F06J Series (2.92 Male-ST to 2.92 Female-ST)

Jacketed .047 Hand Formable Cable Assembly, 50ohms, DC-40GHz

www.micable.cn

F06J-40-46-"L" (L: Length)

Maximum Ratings

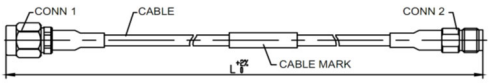
Operating Temperature -55°C to +125°C

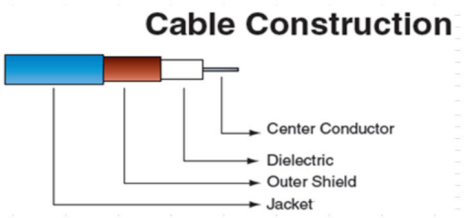
Storage Temperature -55°C to +125°C

Permanent damage may occur if any of these limits are exceeded

Cable Diameter		1.65mm
Velocity of Propagation		70%
Shielding Effectiveness		>100dB
Power Handling at 20°C	1 GHz	32W
	6 GHz	14W
	12 GHz	9W
	18 GHz	8W
	26.5 GHz	7W
	40 GHz	5W
Min. Bending Radius		4mm

Outline Drawing Unit[mm]





Cable Construction	
Inner Conductor	Solid SPC
Dielectric	PTFE
OuterConductor	Tinned Soaked Copper Braid
Jacket	FEP

Connectors
• Nut, Stainless steel, Passivated
• Body, Stainless steel, Passivated
• Center contacts, Brass Copper, Gold plated
• Dielectric, PTFE, Natural

Product Guarantee*

Micable will repair or replace your cable assembly if it fails within six months after shipment. This guarantee excludes product damage from misuse or abuse

Features

- Frequency 40GHz
- Excellent Return Loss/VSWR
- Hand formable to almost any custom shape without special bending tools
- Excellent shielding effectiveness >100 dB

Applications

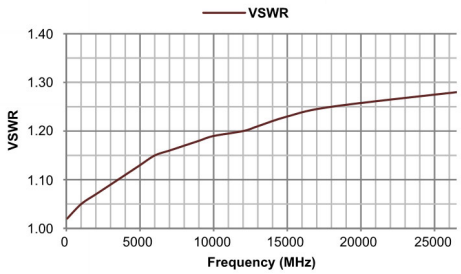
- Replacement for .047" semi-rigid cables
- Modules connection in receivers and transmitters
- Interconnect of assembled systems
- Military and commercial systems

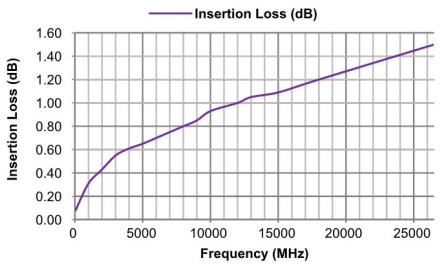
Electrical Specifications at 25°C

Freq. (GHz)	Length (m)	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC.-6		6-18		18-26.5		26.5-40		DC.-6		6-18		18-26.5		26.5-40	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-40	0.1	0.5	0.6	0.7	1.0	0.8	1.2	1.0	1.4								
	0.2	0.7	0.9	1.1	1.4	1.5	1.8	2.0	2.3	1.15	1.20	1.23	1.30	1.25	1.30	1.28	1.35
	0.3	1.0	1.2	1.7	2.0	2.2	2.5	3.8	3.2								

Typical Performance Data（E01-40-46-0.2M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.08
1000	1.05	0.31
2000	1.07	0.43
3000	1.09	0.55
4000	1.11	0.61
5000	1.13	0.65
6000	1.15	0.70
7000	1.16	0.75
8000	1.17	0.80
9000	1.18	0.85
10000	1.19	0.93
12000	1.20	1.00
13000	1.21	1.05
15000	1.23	1.09
18000	1.25	1.20
26500	1.28	1.50





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