

F01J Series (2.92mm Male-ST to 2.92mm Female-BH)
High Performance, 50ohm, DC-40GHz



F01J-403-42-"L" (L: Length)

Maximum Ratings

Operating Temperature -55°C to +85°C

Storage Temperature -55°C to +85°C

Permanent damage may occur if any of these limits are exceeded

Outer Diameter	2.65mm
Velocity of Propagation	70%
Shielding Effectiveness	>100dB
Power Handling at 40°C	1 GHz 122W
	6 GHz 48W
	12GHz 31W
	18 GHz 23W
	26.5 GHz 18W
	40 GHz 13W
Min. Bend Radius	0.24" (6mm)

- Features
- Wideband Frequency Coverage, DC to 40 GHz
 - Excellent Return Loss/VSWR
 - Hand formable to almost any custom shape without special bending tools
 - 6mm bend radius for tight installations
 - Anti-torque nut prevents cable stress during installation
 - Excellent Shielding Effectiveness >100 dB

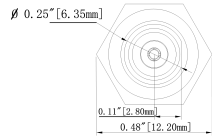
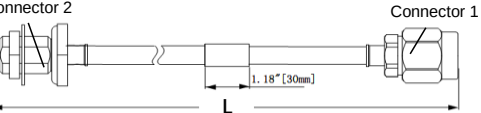
- Applications
- Replacement for .086" semi-rigid cables
 - Modules connection in receivers and transmitters
 - Interconnect of assembled systems
 - Military and commercial systems

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	0.4	0.5	0.7	0.8	0.8	1.0	0.8	1.1	1.05	1.10	1.10	1.15	1.25	1.30	1.25	1.35
	0.2	0.6	0.7	1	1.2	1.2	1.4	1.4	1.7								
	0.3	0.7	0.8	1.3	1.5	1.6	1.8	2.0	2.3								

Typical Performance Data (F01J-403-42-0.3M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.05
1000	1.04	0.31
2000	1.05	0.39
3000	1.07	0.46
4000	1.08	0.51
5000	1.10	0.57
6000	1.11	0.65
8000	1.12	0.86
10000	1.15	1.05
18000	1.22	1.32
26500	1.27	1.63
40000	1.22	2.31



Material and Firish

Cable Construction	
Inner Conductor	Silver Plated Copper, Solid
Dielectric	PTFE
Outer Conductor	Tinned Soaked Copper Braid
Jacket	FEP

Connector 1	2.92 Male, Straight
• Nut, stainless steel, passivated	
• Body, brass, gold plated	
• Center contact, berillium copper, gold plated	
• Dielectric, PTFE,	

Connector 2	2.92 Female, Bulkhead
• Body, brass, gold plated	
• Center contact, berillium copper, gold plated	
• Dielectric, PTFE,	

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

