

C04I Series (SMA Male-ST to N Male-ST)

High Reliable & Durable Test Cable Assembly, 50ohms, DC-18GHz



C04I-01-07-"L" (L: Length)

Maximum Ratings

Operating Temperature -55°C to +85°C

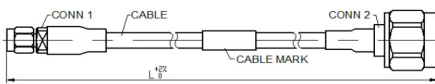
Storage Temperature -55°C to +85°C

Permanent damage may occur if any of these limits are exceeded

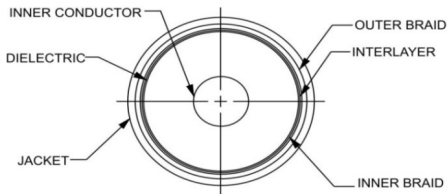
Cable Diameter	4.95mm
Velocity of Propagation	70%
Shielding Effectiveness	>95dB
Power Handling at 20°C	1 GHz 285W
	3 GHz 155W
	6 GHz 103W
	12GHz 67W
	18 GHz 52W
Min. Bending Radius	1.0" (25.4mm)

Outline Drawing

Unit [mm]



Cable Cross Section



Features

- Phase and amplitude stable
- Low loss and super flexible
- Stainless steel connector for long mating-cycles life
- High reliability approved by 20,000 strict bending cycles
- Excellent shielding effectiveness > 95 dB

Applications

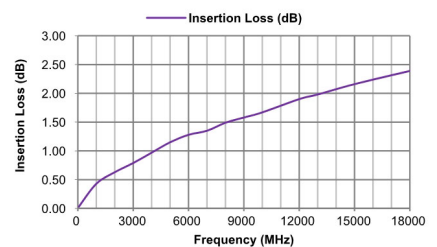
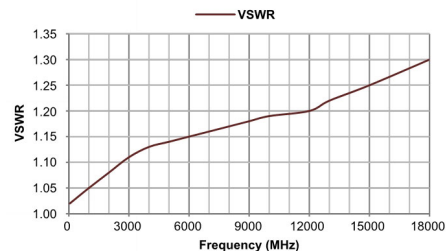
- Lab and production line test
- Connection between racks/equipments
- Military and commercial RF/microwave systems

Electrical Specifications at 25°C

Freq. (GHz)	Length (m)	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC - 3		3-6		6-12		12-18		DC - 3		3-6		6-12		12-18	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-18	0.5	0.5	0.6	0.7	0.9	1.0	1.2	1.2	1.5	1.11	1.15	1.15	1.20	1.20	1.25	1.30	1.35
	1	0.8	1.0	1.3	1.5	1.9	2.1	2.4	2.7								
	1.5	1.2	1.4	1.9	2.1	2.8	3.0	3.6	3.9								
	2	1.6	1.8	2.5	2.7	2.7	3.9	4.7	5.0								

Typical Performance Data (C04I-01-07-1M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.03
1000	1.05	0.43
2000	1.08	0.63
3000	1.11	0.79
4000	1.13	0.97
5000	1.14	1.15
6000	1.15	1.28
7000	1.16	1.35
8000	1.17	1.49
9000	1.18	1.58
10000	1.19	1.67
12000	1.20	1.90
13000	1.22	1.98
15000	1.25	2.16
18000	1.30	2.39



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