

# C02 Series (N Male-ST to N Male-ST) SS402, Cable Assembly, 50ohms, DC-18GHz



## C02-07-07-"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

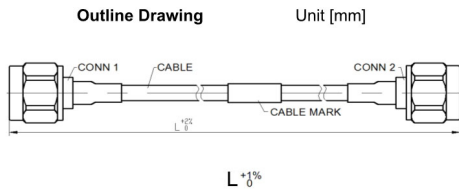
Cable Diameter	4.20mm	
Velocity of Propagation	70%	
Shielding Effectiveness	>110dB	
Power Handling at 40°C	1 GHz	610W
	2 GHz	461W
	6 GHz	224W
	12GHz	140W
	16 GHz	118W
18 GHz	110W	
Min. Bending Radius	21mm	

### Features

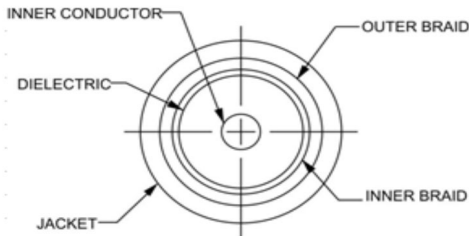
- Flexible
- Super high shielding effectiveness >110dB
- Ideal for interconnect between modules and racks

### Applications

- Replacement for .141" semi-rigid cables
- Interconnect between modules and racks
- Test systems
- Military and commercial systems



### Cable Cross Section



Cable Construction	
Inner Conductor	SPCW, Solid
Dielectric	PTFE
Inner Braid	Silver-Plated Copper Strip
Outer Braid	Silver-Plated Copper Braid
Jacket	FEP

Connectors	
• Nut, Stainless steel, Passivated	
• Body, Stainless steel, Passivated	
• Center contacts, Brass, 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

### 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	0.9	1.2	1.1	1.5	1.09	1.15	1.12	1.20	1.18	1.25	1.30	1.35	
	1	0.8	1.0	1.2	1.4	1.8	2.1	2.2	2.6									
	1.5	1.2	1.4	1.8	2.0	2.7	3.0	3.4	3.8									
	2	1.6	1.8	2.4	2.6	3.5	3.8	2.5	4.9									

### Typical Performance Data (C02-07-07-1M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.04
1000	1.07	0.40
2000	1.08	0.58
3000	1.09	0.73
4000	1.10	0.87
5000	1.11	0.99
6000	1.12	1.14
7000	1.13	1.21
8000	1.14	1.31
9000	1.15	1.40
10000	1.16	1.52
12000	1.18	1.78
13000	1.19	1.87
15000	1.22	2.03
18000	1.30	2.21

