

# C03 Series (SMP Female-ST to SMP Female-RA)

SS405, Cable Assembly, 50ohms, DC-26.5GHz



## C03-37-38-"L" (L: Length)

### Maximum Ratings

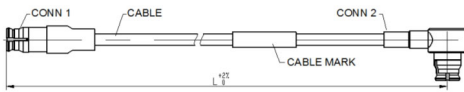
Operating Temperature -55°C to +85°C

Storage Temperature -55°C to +85°C

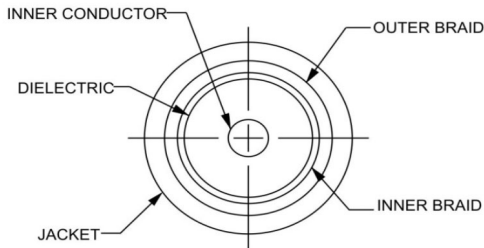
Permanent damage may occur if any of these limits are exceeded

Cable Diameter	2.64mm	
Velocity of Propagation	70%	
Shielding Effectiveness	>110dB	
Power Handling at 20°C	1 GHz	108W
	6 GHz	42W
	12 GHz	27W
	18 GHz	23W
26.5 GHz	16W	
Min. Bending Radius	12.7mm	

### Outline Drawing



### 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	
<ul style="list-style-type: none"> <li>• Body, Berillium Copper, Gold plated</li> <li>• Center contacts, Berillium Copper, Gold plated</li> <li>• Dielectric, PTFE, Natural</li> </ul>	

### 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

- Flexible
- Super high shielding effectiveness >110dB
- Small bend radius good for compact installation
- Ideal for interconnect between modules and racks

### Applications

- Replacement for .086" semi-rigid cables
- Interconnect between modules and racks
- Test systems
- Military and commercial systems

### Electrical Specifications at 25°C

Freq. (GHz)	Length (m)	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC - 6		6.-12		12-18		18-26.5		DC - 6		6.-12		12-18		18-26.5	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC- 26.5	0.2	0.6	0.7	0.8	0.9	1.1	1.3	1.2	1.4	1.15	1.20	1.23	1.30	1.32	1.35	1.41	1.50
	0.3	0.7	0.8	1.1	1.2	1.2	1.4	1.6	1.8								
	0.5	1.1	1.2	1.6	1.7	1.9	2.1	2.5	2.7								

### Typical Performance Data (C03-37-38-0.2M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.09
1000	1.08	0.20
2000	1.06	0.35
2500	1.07	0.45
4000	1.09	0.57
5000	1.12	0.63
6000	1.15	0.70
7000	1.08	0.73
8000	1.13	0.79
9000	1.22	0.85
10000	1.15	0.91
12000	1.23	1.00
15000	1.08	1.07
18000	1.32	1.13
26500	1.41	1.21

