

C03 Series (SMA Male-ST to SMA Male-ST)

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



C03-01-01-"L" (L: Length)

Maximum Ratings

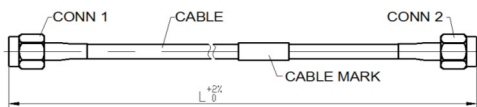
Operating Temperature -55°C to +85°C

Storage Temperature -55°C to +85°C

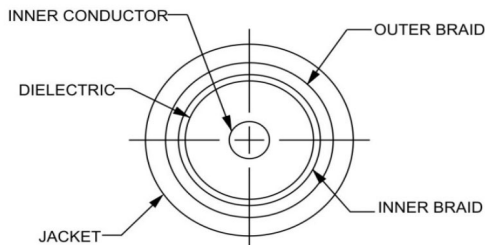
Permanent damage may occur if any of these limits are exceeded

Cable Diameter		2.64mm
Velocity of Propagation		70%
Shielding Effectiveness		>110dB
Power Handling at 20°C	1 GHz	250W
	6 GHz	95W
	12 GHz	59W
	18 GHz	47W
	26.5 GHz	37W
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	
• Nut, Stainless steel, Passivated	
• Body, Brass, Gold plated	
• 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

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	1.09	1.20	1.18	1.25	1.26	1.30	1.29	1.35
	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 (C03-01-01-0.2M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.09
1000	1.06	0.20
2000	1.06	0.35
2500	1.07	0.45
4000	1.09	0.57
5000	1.09	0.63
6000	1.10	0.70
7000	1.10	0.73
8000	1.12	0.79
9000	1.12	0.85
10000	1.15	0.91
12000	1.18	1.00
15000	1.22	1.07
18000	1.26	1.13
26500	1.29	1.21

