

C05 Series (SMA Male-ST to SMA Male-ST)

Armored Test Cable Assembly, 50ohms, DC-26.5GHz



C05-01-01-"L" (L: Length)

Maximum Ratings

Operating Temperature -55°C to +125°C
 Storage Temperature -55°C to +125°C
 Permanent damage may occur if any of these limits are exceeded

Outer Diameter	3.0 mm	
Velocity of Propagation	87%	
Shielding Effectiveness	>100dB	
Power Handling at 40°C	1 GHz	32W
	2 GHz	24W
	6GHz	14W
	12 GHz	9W
	18 GHz	8W
	26.5 GHz	7W
Min. Bending Radius	1.18" (30mm)	

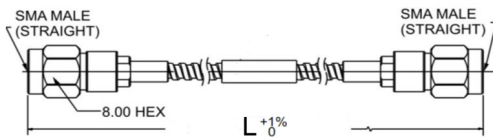
Features

- Frequency DC-26.5 GHz
- Stainless steel armor protected, superior mechanical strength, anti-pressure and anti-torque
- Super flexible with small bend radius
- Excellent shielding effectiveness > 100 dB
- Ideal for application of compact installation space

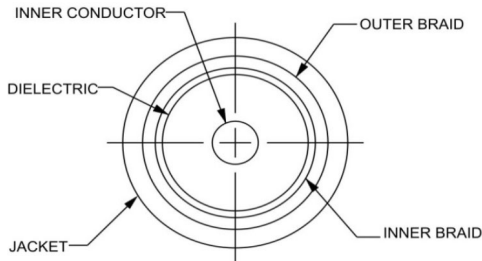
Applications

- Lab and production line test
- RF and Microwave test systems

Outline Drawing



Cable Cross Section



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

Connectors	
• Body, Stainless steel, Passivated	
• Center contacts, Berillium Copper, 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		6-18		18-26.5		DC - 3		3-6		6-18		18-26.5	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-26.5	0.2	0.5	0.6	0.6	0.8	1.1	1.3	1.4	1.7								
	0.3	0.7	0.8	0.9	1.1	1.6	1.8	1.9	2.2	1.10	1.15	1.15	1.20	1.25	1.30	1.30	1.35
	0.5	1.0	1.1	1.4	1.6	2.5	2.7	3.1	3.4								

Typical Performance Data (C05-01-01-0.3M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.05
1000	1.05	0.39
2000	1.08	0.55
3000	1.10	0.68
4000	1.12	0.79
5000	1.14	0.88
6000	1.15	0.95
8000	1.17	1.14
10000	1.19	1.27
12000	1.20	1.38
18000	1.25	1.63
26500	1.30	1.91

