

D10 Series (SMA Male-ST to SMA Male-ST)

Cost-effective Test Cable Assembly, 50ohms, DC-6GHz



D10-01-01-"L" (L: Length)

Maximum Ratings

Operating Temperature -40°C to +80°C
 Storage Temperature -40°C to +80°C
 Permanent damage may occur if any of these limits are exceeded

Cable Diameter	5.3mm	
Velocity of Propagation	70%	
Shielding Effectiveness	>80dB	
Power Handling at 20°C	1 GHz	52W
	2 GHz	25W
	3 GHz	20W
	4 GHz	19W
	5 GHz	17W
	6 GHz	16W
Min. Bending Radius	25mm	

Features

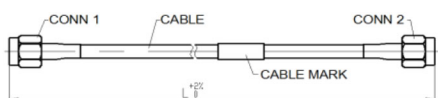
- Super flexible
- Long life-cycle
- Reinforced connectors

Applications

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

Outline Drawing

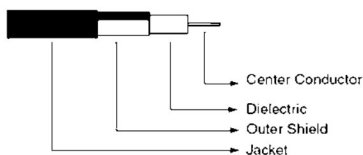
Unit [mm]



Electrical Specifications at 25°C

Freq. (GHz)	Length (m)	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC - 1		1-3		3-4		4-6		DC - 1		1-3		3-4		4-6	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-6	0.5	0.3	0.4	0.5	0.7	0.6	0.8	0.8	1.0	1.06	1.10	1.11	1.15	1.16	1.20	1.25	1.30
	1	0.7	0.8	1.0	1.2	1.2	1.4	1.6	1.8								
	1.5	0.9	1.0	1.2	1.4	1.7	1.9	2.2	2.5								
	2	1.2	1.3	1.6	1.8	2.2	2.4	3.0	3.3								

Cable Construction



Typical Performance Data (D10-01-01-1M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.03
1000	1.06	0.68
2000	1.09	0.87
3000	1.11	1.01
4000	1.16	1.19
5000	1.21	1.38
6000	1.25	1.62

Cable Construction	
Inner Conductor	Solid SPC
Dielectric	PE
Outer Conductor	Silver Plated Copper Braid
Jacket	PVC

Connectors	
• Nut, Brass, Gold plated	
• 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

