

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

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



D10-01-07-"L" (L: Length)

Maximum Ratings

Operating Temperature -40°C to +80°C

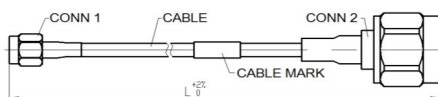
Storage Temperature -40°C to +80°C

Permanent damage may occur if any of these limits are exceeded

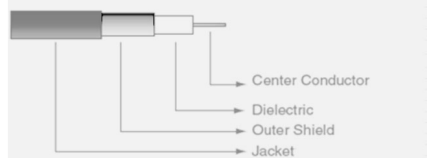
Cable Diameter	5.3mm	
Velocity of Propagation	70%	
Shielding Effectiveness	>80dB	
Power Handling at 20°C	1 GHz	52W
	2 GHz	25W
	3 GHz	20W
	4 GHz	19W
	5 GHz	17W
	6 GHz	16W
Min. Bending Radius	25mm	

Outline Drawing

Unit [mm]



Cable Construction



Cable Construction	
Inner Conductor	Solid SPC
Dielectric	PE
Outer Conductor	Silver Plated Copper Braid
Jacket	PVC
Connectors	
● Nut, Brass, Nickel	
● Body, Brass, Nickel	
● 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

- Super flexible
- Long life-cycle
- Reinforced connectors

Applications

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

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								

Typical Performance Data (D10-01-07-1M)

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

