

E03 Series (SMA Male-ST to SMA Male-ST)

.141 Semi-rigid Cable Assembly, 50ohms, DC-26.5GHz



E03-01-01-"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	3.6 mm	
Velocity of Propagation	70%	
Shielding Effectiveness	>120dB	
Power Handling at 40°C	1 GHz	460W
	6 GHz	185W
	12GHz	116W
	18 GHz	87W
	26.5 GHz	68W
Min. Bending Radius	0.13" (3.2mm)	

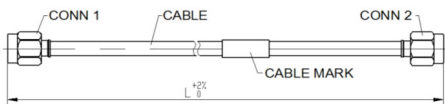
Features

- Frequency DC-26.5GHz
- Excellent return loss/VSWR
- High shielding effectiveness > 120 dB
- 3-D bending without MOQ
- Phase-matching available for group

Applications

- Modules connection in receivers and transmitters
- Military and commercial systems

Outline Drawing



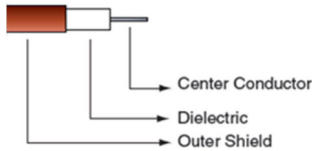
Electrical Specifications at 25°C

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	0.1	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.8	1.11	1.15	1.17	1.25	1.22	1.30	1.27	1.35
	0.2	0.4	0.5	0.6	0.7	0.7	0.8	0.8	1.1								
	0.3	0.5	0.6	0.7	0.9	0.9	1.1	1.1	1.4								

Typical Performance Data (E03-01-01-0.3M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.05
1000	1.04	0.24
2000	1.05	0.29
3000	1.07	0.35
4000	1.08	0.40
5000	1.10	0.45
6000	1.11	0.51
8000	1.12	0.62
10000	1.15	0.69
12000	1.17	0.74
18000	1.22	0.92
26500	1.27	1.11

Cable Construction



Cable Construction	
Inner Conductor	Solid SPC
Dielectric	PTFE
Outer Conductor	Tin or Ternary Alloy Plated Copper

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

