

E01 Series (SMP Female-ST to SMP Female-ST)

.047 Semi-rigid Cable Assembly, 50ohms, DC-40GHz



E01-37-37-"L" (L: Length)

Maximum Ratings

Operating Temperature -55°C to +125°C

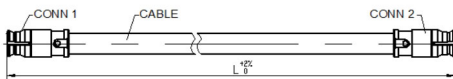
Storage Temperature -55°C to +125°C

Permanent damage may occur if any of these limits are exceeded

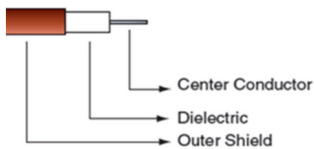
Cable Diameter		1.19mm
Velocity of Propagation		70%
Shielding Effectiveness		>120dB
Power Handling at 20°C	1 GHz	32W
	6 GHz	14W
	12 GHz	9W
	18 GHz	8W
	26.5 GHz	7W
	40 GHz	5W
Min. Bending Radius		4.2mm

Outline Drawing

Unit[mm]



Cable Construction



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

Connectors	
● Body, Berillium Copper, Gold plated	
● 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

Features

- Frequency DC-40GHz
- 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

Electrical Specifications at 25°C

Freq. (GHz)	Length (m)	Insertion Loss (dB@GHz)								VSWR (@GHz)							
		DC.-6		6-18		18-26.5		26.5-40		DC.-6		6-18		18-26.5		26.5-40	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-40	0.1	0.5	0.6	0.7	1.0	0.8	1.2	1.0	1.4	1.15	1.20	1.26	1.30	1.35	1.40	1.41	1.45
	0.2	0.7	0.9	1.1	1.4	1.5	1.8	2.0	2.3								
	0.3	1.0	1.2	1.7	2.0	2.2	2.5	3.8	3.2								

Typical Performance Data (E01-37-37-0.2M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.08
1000	1.04	0.31
2000	1.06	0.43
3000	1.09	0.55
4000	1.07	0.61
5000	1.10	0.65
6000	1.15	0.70
7000	1.11	0.75
8000	1.12	0.80
9000	1.17	0.85
10000	1.12	0.93
12000	1.26	1.00
15000	1.22	1.09
18000	1.25	1.20
26500	1.35	1.50
40000	1.41	2.00

