

E01 Series (SMA Male-ST to MCX Male-ST)

.047 Semi-rigid Cable Assembly, 50ohms, DC-12GHz



E01-015-27-"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
	3 GHz	25W
	6 GHz	14W
	10 GHz	11W
	12 GHz	9W
Min. Bending Radius	4.2mm	

Features

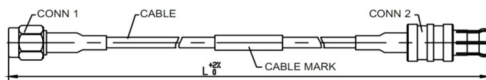
- Frequency DC-12GHz
- Excellent return loss/VSWR
- High shielding effectiveness > 120 dB
- 3-D bending without MOQ
- Phase-matching available for group

Applications

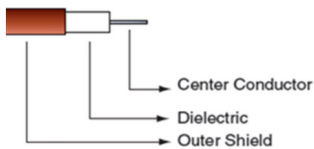
- Modules connection in receivers and transmitters
- Military and commercial systems

Outline Drawing

Unit[mm]



Cable Construction



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

Connectors	
● Nut, Stainless steel, Passivated	
● Body, Stainless steel, Passivated	
● Center contacts, Brass 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		6-10		10-12		DC.-3		3-6		6-10		10-12	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC- 12	0.1	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	1.15	1.20	1.16	1.20	1.19	1.25	1.21	1.25
	0.2	0.6	0.7	0.7	0.9	1.0	1.2	1.1	1.3								
	0.3	0.8	0.9	1.0	1.2	1.4	1.6	1.5	1.7								

Typical Performance Data (E01-015-27-0.2M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.08
1000	1.07	0.31
2000	1.05	0.43
3000	1.15	0.55
4000	1.09	0.61
5000	1.16	0.65
6000	1.08	0.70
7000	1.11	0.75
8000	1.07	0.80
9000	1.13	0.85
10000	1.19	0.93
11000	1.17	1.00
12000	1.21	1.05

