

E02 Series (2.92mm Male-ST to 2.92mm Male-ST) .086 Semi-rigid Cable Assembly, 50ohms, DC-40GHz



E02-40-40-"L" (L: Length)

Maximum Ratings

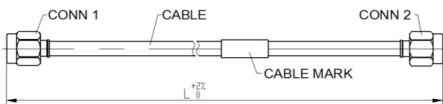
Operating Temperature -55°C to +125°C

Storage Temperature -55°C to +125°C

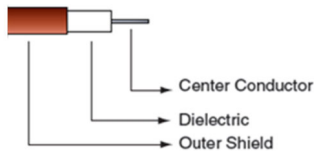
Permanent damage may occur if any of these limits are exceeded

Outer Diameter	2.2 mm
Velocity of Propagation	70%
Shielding Effectiveness	>120dB
Power Handling at 40°C	1 GHz 125W
	6 GHz 52W
	12GHz 37W
	18 GHz 29W
	26.5 GHz 22W
	40 GHz 18W
Min. Bending Radius	0.13" (3.2mm)

Outline Drawing



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, Beryllium, Gold plated	
● Dielectric, PEI, 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	0.4	0.5	0.7	0.8	0.8	1.0	0.9	1.1	1.11	1.15	1.22	1.30	1.27	1.35	1.33	1.40
	0.2	0.6	0.7	1	1.2	1.2	1.4	1.3	1.6								
	0.3	0.7	0.8	1.3	1.5	1.6	1.8	1.8	2.1								

Typical Performance Data (E02-40-40-0.3M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.05
1000	1.04	0.31
2000	1.05	0.39
3000	1.07	0.46
4000	1.08	0.51
5000	1.10	0.60
6000	1.11	0.65
8000	1.13	0.84
10000	1.15	0.98
12000	1.17	1.09
18000	1.22	1.32
26500	1.27	1.63
40000	1.33	1.81

