T40 Series (2.92 Male-ST to 2.92 Female-ST)

Test Cable Assembly, 50ohms, DC-40GHz

T40-400-460-"L" (L: Length

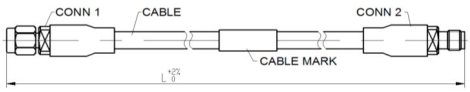
Maximum Ratings

Operating Temperature	23°C± 5°C
Storage Temperature	-55°C to +85°C

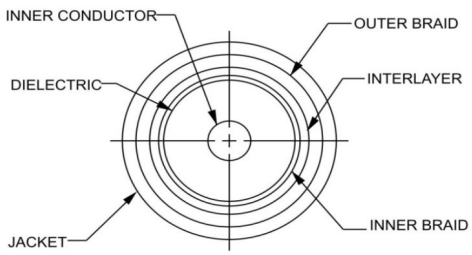
Permanent damage may occur if any of these limits are exceeded

Cable Diameter		3.6mm
Velocity of Propagation		74%
Shielding Effectiveness		>90dB
Power Handling at 40°C	1 GHz	409W
	2 GHz	288W
	6GHz	165W
	12 GHz	115W
	18 GHz	93W
	26.5 GHz	76W
	40 GHz	61W
Min. Bend Radius		14.4mm

Outline Drawing Unit [mm]



Cable Cross Section



Cable Construction	
Inner Conductor	Silver Plated Copper, Solid
Dielectric	Solid PTFE
Inner Braid	Silver-Plated Copper Braid
Interlayer	PTFE
Outer Braid	Silver-Plated Copper Braid
Jacket	FEP

Connectors

- Nut, Stainless steel, Passivated
- Body, Stainless steel, Passivated
- Center contacts, Berillium Copper, 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

- Ultra-wideband operation, DC to 40 GHz
- Ideal VSWR and measurement accuracy
- Excellent amplitude and phase stability vs flexure and shaking
- Reinforced connector, multilayer armor structure to protect cable against compression, tension, torsion and abrasion

Applications

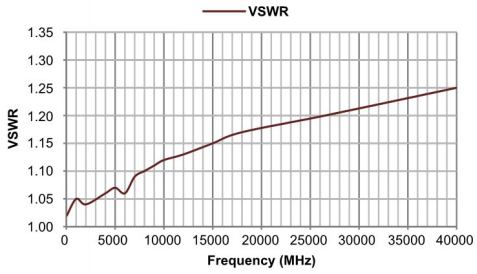
- Lab and production line test
- 5G Massive MIMO and antenna OTA test
- 5G switch and attenuator matrices systems
- Phase array test systems
- RF/Microwave test systems

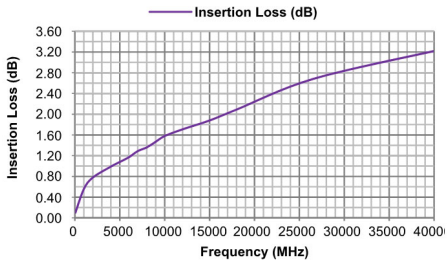
Electrical Specifications at 25°C

Freq. (GHz)	Length	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	2FT	0.7	0.9	1.4	1.7	1.7	2.0	2.0	2.4	1.06	1.15	1.17	1.25	1.20	1.30	1.25	1.35
	3FT	1.1	1.3	2.0	2.3	2.5	2.8	3.0	3.4								
	1M	1.2	1.4	2.1	2.4	2.7	3.0	3.2	3.6								

Typical Performance Data（T40-400-460-1M)

Frequency(MHz)	VSWR	Insertion Loss (dB)
50	1.02	0.10
1000	1.05	0.56
2000	1.04	0.78
4000	1.06	0.99
5000	1.07	1.08
6000	1.06	1.17
7000	1.09	1.29
8000	1.10	1.36
9000	1.11	1.47
10000	1.12	1.58
12000	1.13	1.71
15000	1.15	1.88
18000	1.17	2.09
26500	1.20	2.68
40000	1.25	3.22





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