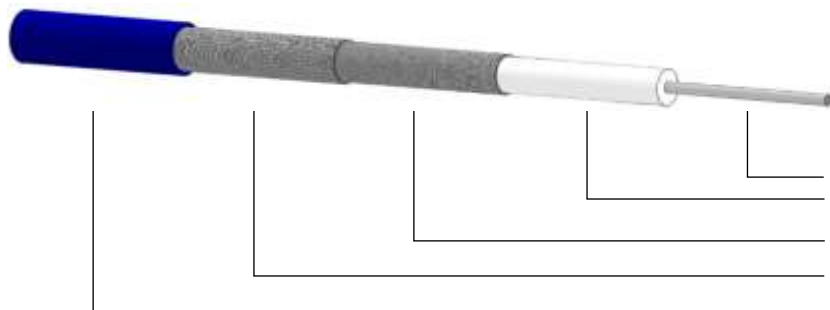


Rev	Description	Date	By
A	Initial Release – CDC 63277	11/21/22	JR



Component	Dimensions (in/mm)	Material
Center Conductor	0.0113 (0.287)	Silver Plated Copper Clad Steel
Dielectric	0.0370 (0.940)	FEP
Outer Braid	0.0410 (1.041)	Silver Plated Copper Clad Steel
Outer Braid	0.0450 (1.143)	Silver Plated Copper Clad Steel
Jacket	0.0540 (1.422)	Blue FEP

Mechanical Properties

Static Bend Radius:	0.20 in (5.08 mm)
Dynamic Bend Radius:	0.40 in (10.16 mm)
Maximum Outer Diameter:	0.0550 in (1.397 mm)
Maximum Weight/1000 feet:	3.77 lbs (1.71 kg)
Operating Temperature:	-65°C to +150°C

Electrical Properties

Characteristic Impedance:	50 ohms nominal
Velocity of Propagation:	70% nominal
Capacitance:	28.83 pF/ft (94.59 pF/m)

Attenuation, 25°

Maximum Attenuation:	1.225342VF + 0.001833F (dB/100ft)
	4.020150VF + 0.006013F (dB/100m)
	Where F = Frequency in MHz

Frequency (GHz)	Maximum Attenuation (dB/100 ft)	
	dB/100 ft	dB/100 m
0.5	28.31	92.89
1.0	40.58	133.14
5.0	95.81	314.35
10.0	140.87	462.19
18.0	197.38	647.60
26.0	245.23	804.60
40.0	318.38	1044.60

Times Microwave Systems
358 Hall Avenue
Wallingford, CT 06492
800-867-2629
www.timesmicrowave.com

Product Name
TF-047

Part Number
58001



The distribution of this document is uncontrolled.
Contact Times Microwave Systems for latest revision.

Cage Code: **68999**

Dwg No.: **AA-12121**

Rev A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[TF-047](#)