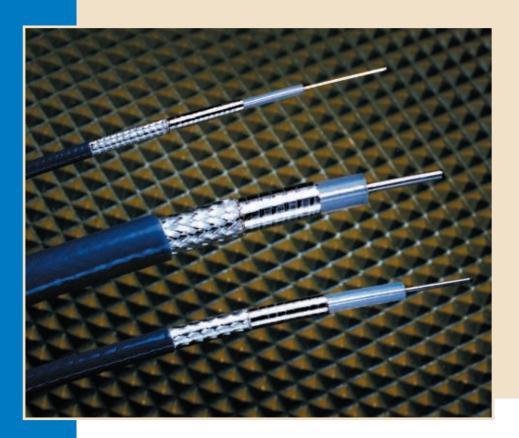


Flexible Alternative to
Semirigid Coax for
Military and Commercial
Applications including,
Low Loss Microwave and
Wireless Base Station
Interconnects.



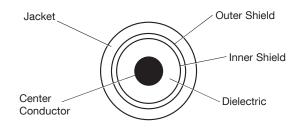
Developed over ten years ago as a lighter weight, flexible alternative to semirigid coax, TFlex® has been widely adopted for both military and commercial communication systems. Its Teflon FEP jacket provides excellent protection in corrosive environments and its flexible nature eliminates the need for hand or precision machine bending. Following the most convenient routing, TFlex® can be preterminated to its desired length and can then be just "plugged in".

Features & Benefits:

- Meets all MIL-C-17 Requirements
- Excellent Shielding Effectiveness
- Low Passive Intermod (PIM)
- Stable Loss, Phase and VSWR vs. Flexing
- Uses Standard Solder-on Semirigid Connectors



TFlex[®] Specifications:



Construction

Center Conductor: Solid Silver- Plated Copper

(TFlex 405 is SCCS)

Dielectric: Solid PTFE

Inner Shield: Silver-Plated Copper Flat

Ribbon Tape

Outer Shield: Silver-plated Copper Braid

Jacket: Blue Teflon FEP

Benefits

The use of a silver plated outer conductor RF path minimizes the potential for intermodulation distortion. In addition to its electrical benefits, TFlex enables designers and installers to make simple "plug-in" cable runs without the need for complex 3D bend configurations required for semirigid coax.

Connectors

Use standard solder on connectors for semirigid cable. TFlex cables can be purchased in bulk reels or as preterminated and tested cable assemblies.

For further information, pricing and delivery, please contact our Sales Department.

Specification	ons		
0.0201"	0.036"	0.0641"	
0.064"	0.118"	0.208"	
0.085"	.139"	0.249"	
0.104"	0.160"	0.270"	
.250"	.500"	1.125"	
0.015	0.033	0.095	
-65°C to +125°C			
50 ohms			
69.5			
29.3			
>100dB			
60GHz	34GHz	19GHz	
Feet +25°)			
0.104"	0.160"	0.270"	
6.4	3.4	2.2	
13.1	7.1	4.7	
21.1	11.6	7.8	
31.0	17.0	12.0	
38.0	22.0	15.0	
75.0	45.0	33.0	
83.0	51.0	37.0	
89.0	55.0	41.0	
99.0	61.0	46.0	
106.0	66.0	50.0	
A= K1 √FMHz + K2 FMHz			
.630	.330	.210	
.00120	.00120	.00120	
ndling (Watt	s, +40°C, S	ea Level 1:1	VSWR)
0.104"	0.160"	0.270"	
401	999	2119	
195	480	1002	
119	290	595	
81	195	394	
65	154	306	
31	72	136	
28	63	120	
26	58	110	
23	52	97	
	0.0201" 0.064" 0.085" 0.104" .250" 0.015 60GHz Feet +25°) 0.104" 6.4 13.1 21.1 31.0 38.0 75.0 83.0 89.0 99.0 106.0 A= .630 .00120 ndling (Watt 0.104" 401 195 119 81 65 31 28 26	0.064" 0.118" 0.085" .139" 0.104" 0.160" .250" .500" 0.015 0.033 -65°C to 50 o 69 29 >100 60GHz 34GHz Feet +25°) 0.104" 0.160" 6.4 3.4 13.1 7.1 21.1 11.6 31.0 17.0 38.0 22.0 75.0 45.0 83.0 51.0 89.0 55.0 99.0 61.0 106.0 66.0 A= K1 √FMHz + 1 .630 .330 .00120 .00120 ndling (Watts, +40°C, S) 0.104" 0.160" 401 999 195 480 119 290 81 195 65 154 31 72 28 63 26 58	0.0201" 0.036" 0.0641" 0.064" 0.118" 0.208" 0.085" .139" 0.249" 0.104" 0.160" 0.270" .250" .500" 1.125" 0.015 0.033 0.095 -65°C to +125°C 50 ohms 69.5 29.3 >100dB 60GHz 34GHz 19GHz Feet +25°) 0.104" 0.160" 0.270" 6.4 3.4 2.2 13.1 7.1 4.7 21.1 11.6 7.8 31.0 17.0 12.0 38.0 22.0 15.0 75.0 45.0 33.0 83.0 51.0 37.0 89.0 55.0 41.0 99.0 61.0 46.0 106.0 66.0 50.0 A= K1 √FMHz + K2 FMHz .630 .330 .210 .00120 .00120 ndling (Watts, +40°C, Sea Level 1:1 0.104" 0.160" 0.270" 401 999 2119 195 480 1002 119 290 595 81 195 394 65 154 306 31 72 136 28 63 120 26 58 110

TFlex

405

TFlex

402

TFlex

401



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