



962-001 TFlex[®] Low Loss Microwave 50 Ohm Coaxial Cable

962-001 LOW-LOSS MICROWAVE, SHIELDED, OPTIMAL VSWR LEVELS

How To Order

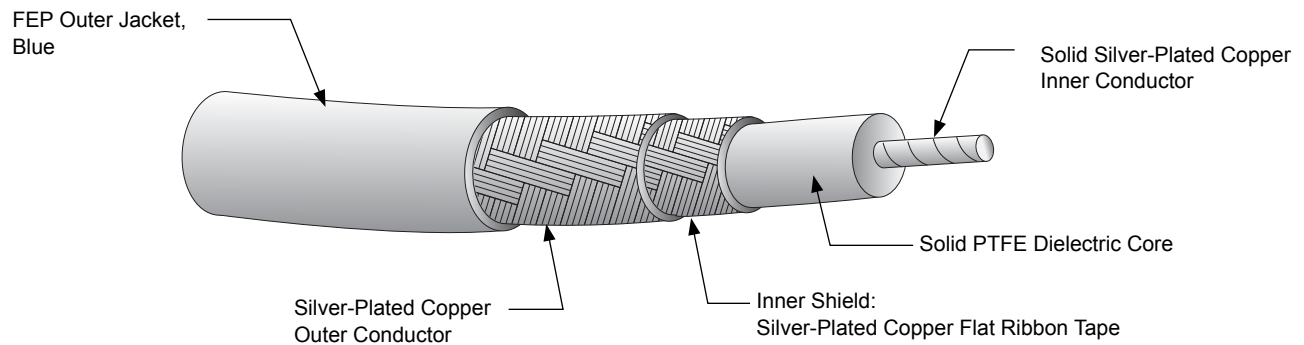
Basic Part
Number

962-001

Dash Number

405 - TFlex[®]-405
402 - TFlex[®]-402
401 - TFlex[®]-401
047 - TFlex[®]-047

405



Features and Notes

- Excellent Shielding Effectiveness
 - Low Passive Intermod (PIM)
 - Stable Loss, Phase and VSWR vs. Flexing
 - Uses Standard Solder-on Semirigid Connectors
- Cable identified with manufacturer's name and part number.
Cable is sold in 1 foot increments. Specify desired length on purchase order.

962-001
TFlex® Low Loss Microwave
50 Ohm Coaxial Cable

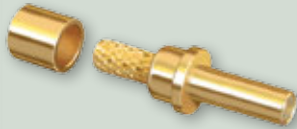


Coaxial

Table I - Physical and Mechanical Specifications

	-405	-402	-401	-047
Dimensions (Inches)				
Conductor	0.0201	0.036	0.0641	0.0113
Dielectric	0.064	0.118	0.208	0.0370
Shield	0.085	0.139	0.249	0.057
Jacket	0.104	0.160	0.270	0.074
Minimum Static Bend Radius (In)	0.250	0.500	1.125	0.125
Weight (lbs/ft)	0.015	0.033	0.095	0.0075
Temperature Range	-65° C to +125° C			
Electrical Specifications				
Impedance	50 Ohms			
Velocity %	69.5			
Capacitance Per Foot	29.3			
Shielding	>100 dB			
Cutoff Frequency	60 GHz	34 GHz	19 GHz	108 GHz

Compatible Contacts



852-018

Size #12 D38999 Sr. II/Mighty Mouse Pin

852-025

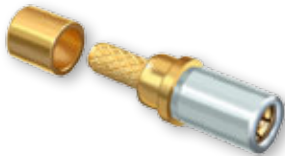
D38999 Sr. I/III/IV Pin

852-036

D38999 Sr. I/III/IV Pin

852-071

D38999 Sr. I/III/IV Pin



852-017

Size #12 D38999 Sr. II/Mighty Mouse Socket

852-024

D38999 Sr. I/III/IV Socket

852-032

D38999 Sr. II/Mighty Mouse Socket

852-035

D38999 Sr. I/III/IV Socket

852-037

D38999 Sr. I/III/IV Socket

852-070

D38999 Sr. I/III/IV Socket

Table II: Attenuation (dB per 100 feet at +25° C)

	-405	-402	-401	-047
Frequency Styles	0.104	0.160	0.270	0.074
100 MHz	6.4	3.4	2.2	12
400 MHz	13.1	7.1	4.7	24
1,000 MHz	21.1	11.6	7.8	37
2,000 MHz	31.0	17.0	12.0	53
3,000 MHz	38.0	22.0	15.0	66
10,000 MHz	75.0	45.0	33.0	124
12,000 MHz	83.0	51.0	37.0	137
13,500 MHz	89.0	55.0	41.0	145
16,000 MHz	99.0	61.0	46.0	160
18,000 MHz	106.0	66.0	50.0	170
Attenuation at Frequency	$A = K1 \text{ FMHz} + K2 \text{ FMHz}$			
K1	.630	.330	.210	1.156
K2	0.00120	0.00120	0.00120	0.00120

Table III: Maximum CW Power Handling (Watts at +40° C, sea level 1:1 VSWR)

	-405	-402	-401	-047
Frequency Size	0.104	0.160	0.270	N/A
100 MHz	401	999	2119	
400 MHz	195	480	1002	
1,000 MHz	119	290	595	
2,000 MHz	81	195	394	
3,000 MHz	65	154	306	
10,000 MHz	31	72	136	
12,000 MHz	28	63	120	
13,500 MHz	26	58	110	
16,000 MHz	23	52	97	
18,000 MHz	21	48	88	

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