



EZFlex 401, 402, and 405™

Truly flexible high-performance cable

New EZFlex 401, 402, and 405 have performance comparable to MIL-C-17 semi-rigid, yet handle like RG flexible cables and offer:

- Low leakage • Low VSWR • True flexibility • High durability • Lower weight

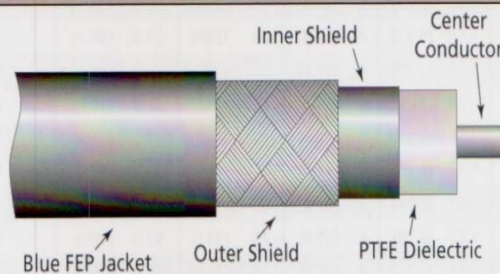
Let our dedicated assembly facility provide you with ready-made assemblies incorporating EZFlex 401, 402, or 405 and your choice of connectors for the ultimate in convenience—simply order the length you need and install in your system. See page 13 for standard assemblies.

Note: These cables are RoHS Compliant.

EZFlex 401, 402, and 405 Construction

Materials

Inner conductor: Solid silver-plated copperweld (also available with silver-plated copper center conductor).
 Dielectric: Solid PTFE.
 Inner Shield: Silver-plated copper/ Mylar laminate.
 Outer shield: Silver-plated AWG 40 copper braid.
 Outer Jacket: Extruded blue FEP.



Specifications	EZFlex 401 (Equivalent to .250" semi-rigid)	EZFlex 402 (Equivalent to .141" semi-rigid)	EZFlex 405 (Equivalent to .086" semi-rigid)
Inner Conductor diameter, inches (mm)	.064 (1.63)	.036 (.914)	.0201 (.5105)
Dielectric diameter, inches (mm)	.209 (5.309)	.117 (2.972)	.066 (1.676)
Inner Shield diameter, inches (mm)	.217 (5.512)	.125 (3.175)	.074 (1.880)
Outer shield diameter, inches (mm)	.250 (6.35)	.141 (3.581)	.086 (2.184)
Outer Jacket diameter, inches (mm)	.265 (6.731)	.163 (4.140)	.100 (2.54)
Minimum Bend Radius, inches (mm)	.500 (12.7)	.200 (5.08)	.125 (3.18)
Weight, lbs/100 ft. (kg/100 m)	7.7 (11.5)	3.0 (4.5)	1.4 (2.1)
Operating Temperature	-65 to 200° C	-65 to 200° C	-65 to 200° C
Impedance	50 ±2Ω	50 ±2Ω	50 ±2Ω
Velocity of Propagation	70%	70%	70%
Dielectric Constant	2.04	2.04	2.04
Voltage Withstanding, @ 60 Hz	7500	5000	5000
Corona Extinction Voltage, VRMS min. @ 60 Hz	3000	1900	1500
Maximum Operating Frequency	18 GHz	20 GHz	20 GHz
Attenuation, dB/100 ft. (dB/100 m) @:			
0.5 GHz	4.2 (13.8)	7.8 (25.6)	15.4 (50.5)
2.0 GHz	10.0 (32.8)	16.8 (55.1)	31.5 (103.3)
6.0 GHz	19.4 (63.7)	31.3 (102.7)	56.6 (185.6)
10.0 GHz	27.6 (90.6)	42.4 (139.1)	75.1 (246.3)
18.0 GHz	41.4 (135.7)	60.9 (200.0)	104.0 (341.1)
20.0 GHz		63.4 (208.1)	112.0 (367.4)