

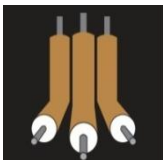
EZ Mini-Flex 405 Cable Assemblies with SMA Low Profile Plugs



- ❑ Flexible Cable Assemblies that eliminate the need for custom Semi-Rigid Assemblies.
- ❑ Available in Standard Lengths
- ❑ Meets the Requirements of MIL-PRF-39012 and MIL-STD-348
- ❑ Superior VSWR and Loss
- ❑ SMA Plugs are Solderless Crimp Versions that eliminate solder concerns and facilitate low profile applications.
- ❑ Connector Retention > 15 lbs.
- ❑ Lead Time: Stock to 10 Working Days

EZ Form Cable Corporation has introduced Flexible Cable Assemblies that replace the need for custom .086 Semi-Rigid Cable Assemblies with special lengths and bends. EZ Mini-Flex 405 Cable assemblies are complete and fully tested and are available in a variety of standard lengths.

EZ Mini-Flex Cable Assemblies offer a true alternative to the traditional .086 Semi-Rigid designs which often require special tooling and long lead times.



EZ Form Cable Corporation

285 Welton Street, Hamden, CT 06517
Tel: (203) 785-8215 Fax: (203) 785-0466

RoHS Compliant and AS9100 Certified

www.ezform.com

(See Reverse Side for Electrical and Mechanical Specifications)

EZ Mini-Flex 405 Cable Assemblies With SMA Low Profile Plugs



MECHANICAL & ENVIRONMENTAL SPECIFICATIONS:

Temperature Rating : -65°C to +165°C
 Cable Diameter Nom.: .085 inches
 Typical bend radius: .150 inches
 SMA Mating Torque: 7-10 inch-pounds
 Connector Retention: 15 lbs. min.

ELECTRICAL SPECIFICATIONS:

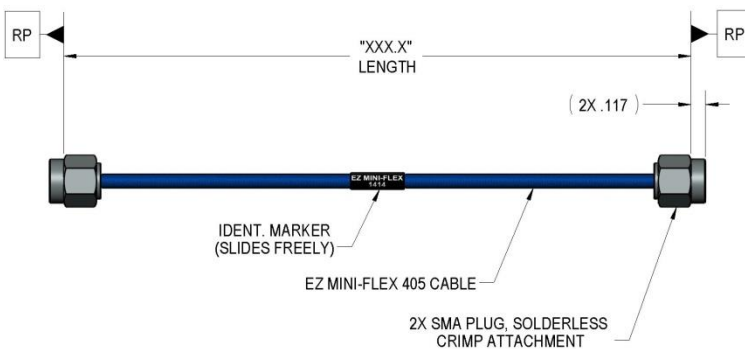
Frequency Range (GHz): DC TO 26.5 GHz
 VSWR: See Table
 Insertion Loss: See Table
 Nominal Impedance: 50 Ω
 Nominal Capacitance: 29.0 pf/ foot
 Velocity of Propagation: 70%
 Dielectric Withstanding Voltage: 5kV

CONNECTOR MATERIALS:

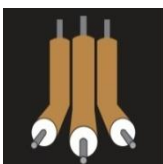
Body: Passivated Stainless Steel per ASTM-A-582
 Insulator: Teflon per ASTM-D-1710
 Contact: Gold plated BeCu per ASTM-B-196
 Gasket: Silicone Rubber per ZZ-R-765

CABLE MATERIALS:

Conductor: 24 AWG, Ø.020" conductor
 Insulation: PTFE Teflon Insulation, Ø.064"
 Foil: Foil Shield Ø.070"
 Shield: 40 AWG stranded, tin plated Ø.085"
 Jacket: Blue FEP Ø.097"



Part Number	"XXX.X" LENGTH	2.0 GHz VSWR	2.0 GHz LOSS, dB	12.4 GHz VSWR	12.4 GHz LOSS, dB	18.0 GHz VSWR	18.0 GHz LOSS, dB	26.5 GHz VSWR	26.5 GHz LOSS, dB
302100-003.0	3.00	1.10	0.11	1.20	0.30	1.25	0.44	1.30	0.37
302100-004.0	4.00	1.10	0.15	1.20	0.38	1.25	0.54	1.30	0.51
302100-005.0	5.00	1.10	0.18	1.20	0.47	1.25	0.64	1.30	0.82
302100-006.0	6.00	1.10	0.21	1.20	0.55	1.25	0.74	1.30	0.98
302100-007.0	7.00	1.10	0.24	1.20	0.64	1.25	0.84	1.30	1.04
302100-008.0	8.00	1.10	0.27	1.20	0.72	1.25	0.94	1.30	1.10
302100-009.0	9.00	1.10	0.30	1.20	0.81	1.25	1.04	1.30	1.17
302100-010.0	10.00	1.10	0.33	1.20	0.88	1.25	1.13	1.30	1.23
302100-011.0	11.00	1.10	0.36	1.20	0.98	1.25	1.23	1.30	1.46
302100-012.0	12.00	1.10	0.39	1.20	1.04	1.25	1.31	1.30	1.70
302100-013.0	13.00	1.10	0.42	1.20	1.13	1.25	1.42	1.30	1.79
302100-014.0	14.00	1.10	0.45	1.20	1.21	1.25	1.51	1.30	1.87
302100-015.0	15.00	1.10	0.49	1.20	1.29	1.25	1.62	1.30	1.96
302100-016.0	16.00	1.10	0.50	1.20	1.31	1.25	1.69	1.30	2.05



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