



EZ FORM CABLE
AS9100 Certified

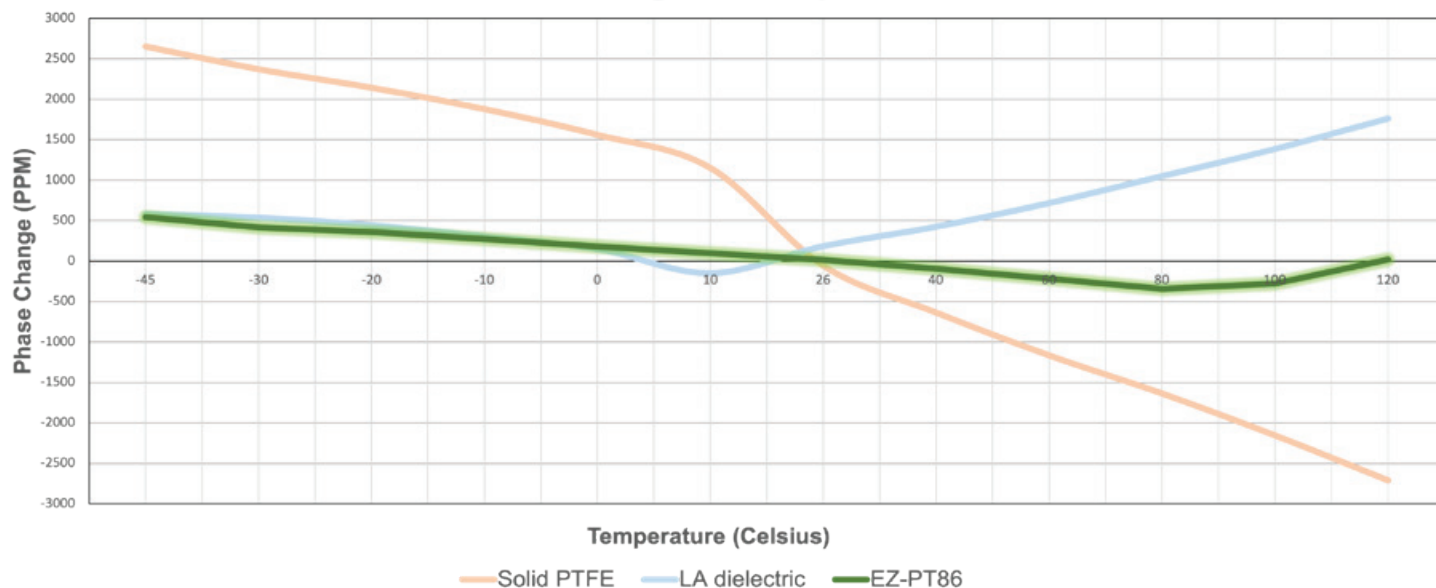
PHASE STABLE CABLE

.086" Semi-rigid cable and assemblies

ARE WE ON YOUR RADAR YET?

EZ Form Cable has developed the next advancement in semi-rigid cable technology with the introduction of our EZ-PT86 Phase Stable semi-rigid cable. This high performance cable was developed for applications where minimal phase change over temperature is required and critical to the overall performance of RF systems. EZ Form Cable can now offer this cable with both build-to-print cable assemblies as well as bulk cable shipments.

Phase Change vs. Temperature



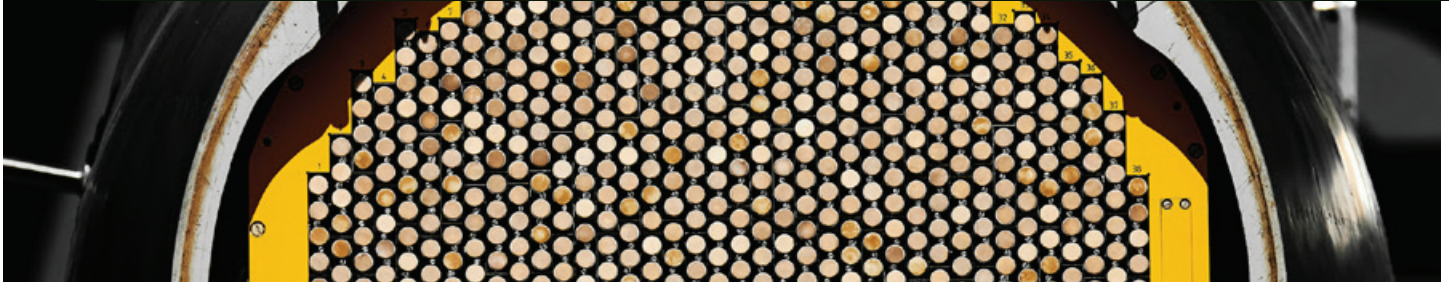
FEATURES & BENEFITS

- Excellent phase stability over temperature
- No "Teflon™ knee" effect found in standard dielectrics
- Available in copper or aluminum jackets
- Various plating options available
- Custom cable assemblies in .086" configurations
- .086" semi-rigid bulk cable available





EZ FORM CABLE



ELECTRICAL

- Characteristic impedance: 50 ohms nom.
- Velocity of propagation: 81% nom.
- Dielectric constant: 1.47
- Voltage withstanding: 5,000 Vrms
- Corona extinction voltage: 1,500 Vrms
- Max.operating frequency: 79 GHz

MECHANICAL

- Inner conductor: 0.0226 in. dia.
- Dielectric: 0.065 in. dia
- Outer conductor: 0.086 in. dia.
- Inside bend radius: 0.250 in. min.
- Weight: 1.4 lbs per 100 ft.
- Operating temperature: -55 ° to +125 ° C

Typical Attenuation and Power

Frequency (GHz)	db/100 ft	Power (watts CW)
0.5	14.7	300
1.0	21.1	235
5.0	49.9	105
10.0	73.4	73
18.0	102.9	54

Part Number	Outer Conductor Material	Plating
EZ-PT86	Copper	N/A
EZ-PT86-SP	Copper	Silver
EZ-PT86-TL	Copper	Tin-lead
EZ-PT86-TP	Copper	Tin
EZ-PT86-AL-SP	Aluminum	Silver
EZ-PT86-AL-TL	Aluminum	Tin-lead
EZ-PT86-AL-TP	Aluminum	Tin

EZ Form Cable, is an AS9100D certified manufacturer of coaxial cable, coaxial cable assemblies, RF connectors, and coaxial delay lines. EZ Form's RF, microwave, and millimeter wave transmission line solutions offer proven performance for critical applications in Mil/Aero, Telecom, Medical, Instrumentation, and Test & Measurement. EZ Form is part of the Trexon Engineered Products Division. For more information about Trexon, please visit trexonglobal.com/engineered-products/.

For information on the EZ Form Phase Stable Cable offering, please scan the QR Code or visit ezform.com/phasestable



EZF-HO-PSCB-V1.0-0422