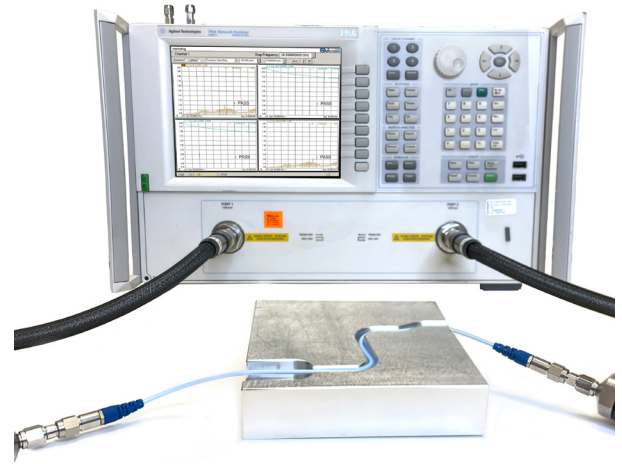


SV Ø.087 Low Loss Cable Assemblies

Features & Benefits

- Phase stable over flexing
- Phase stable over temperature
- Inside bend radius of 0.125"
- Lower insertion loss than standard Ø.085 flex cable
- Custom and standard cable assembly options available
- Available on SV's Online Cable Builder
- Fits all standard interfaces including: SMA, 2.92mm, 2.4mm, 1.85mm, SMP, SMPM and SMPS



Standard Configurations

| P/N | Description |
|-----------|--|
| 7015-1143 | 2.92mm Male to 2.92mm Male 12" Low Loss Strain Relief Cable Assembly for .087-LL Cable |
| 7016-0133 | 2.4mm Male to 2.4mm Male 12" Low Loss Strain Relief Cable Assembly for .087-LL Cable |
| 7029-3821 | SMA Male to SMA Male 12" Low Loss Strain Relief Cable Assembly for .087-LL Cable |

Characteristics at a Glance

| Property | Standard .085 | Low Loss .087 |
|-----------------|---------------|---------------|
| Flexibility | ★★ | ★★★ |
| Attenuation | ★★★ | ★★★★★ |
| Phase over Flex | ★★ | ★★★ |
| Phase over Temp | ★★ | ★★★★★ |
| Cost | ★★★★★ | ★★★ |



Figure 1: Custom Low Loss cable assemblies (P/N 200-70-363) can be configured on our Online Cable Builder

Specifications

| Property | Low Loss .087 |
|--------------------------|----------------------|
| Jacket Diameter | .087" |
| Velocity of Propagation | 80% |
| Min Internal Bend Radius | 0.125" |
| Weight (grams / ft) | 4.54 |
| Outer/Inner Shield | Silver Plated Copper |
| Dielectric Material | PTFE |
| Center Conductor | Silver Plated Copper |
| Temperature Rating | -55°C to +150°C |
| Shielding Effectiveness | > 90 dB |
| Jacket Material | FEP |
| Cut Off Frequency | 65 GHz |

Electrical Performance Data

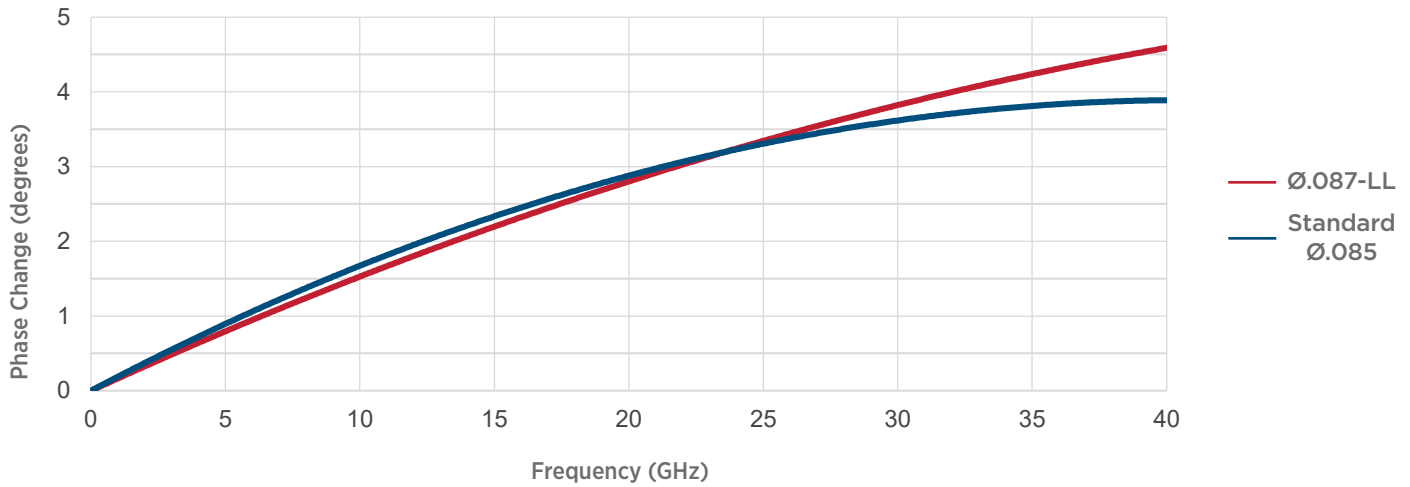


Figure 2: Typical Phase with Flexure 360° Around .5” Mandrel

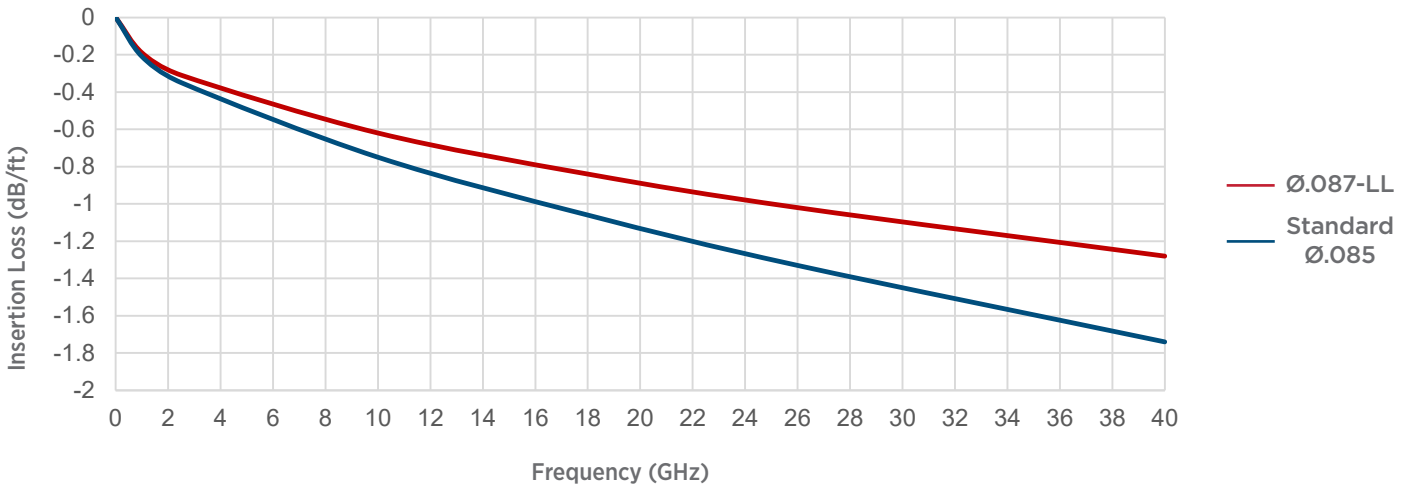


Figure 3: Typical Insertion Loss

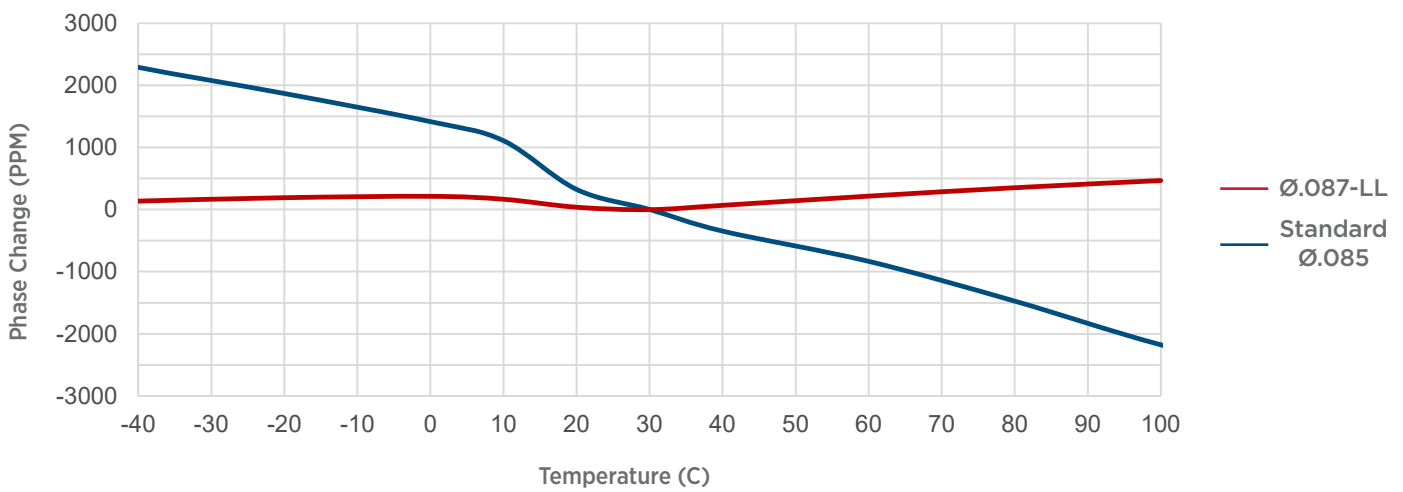


Figure 4: Phase vs Temperature