Coax Test Cables for:

- High volume, in-process production test
- Incoming/final test inspection
- RF test systems interconnects

SilverLine® Test Cables are cost effective, durable, high performance cable assemblies designed for use in a broad range of test and interconnect applications. Fabricated from rugged, solid PTFE dielectric cable with stainless steel connectors and a proven strain relief system, these cables provide long life and excellent stability in applications where they are repeatedly flexed and mated/unmated. SilverLine® test cables are ideal for use in production, field and laboratory test environments. They are also economical enough to be used as interconnects in test systems.

Features & Benefits:

- Phase & Loss Stable
- Long Flex Life
- Triple Shielded Cable
- High Mating Cycle, Stainless Steel Connectors
- Rugged, Solder-Clamp Attachment
- Redundant, Long Life Strain Relief System
- ROHS Compliant

Time's Silverline® Product Guarantee
Times will repair or replace your SilverLine test cable at its option if the connector attachment fails within four months of shipment. This guarantee excludes cable or connector interface damage from misuse or abuse.
Connectors:
- Passivated stainless steel finish
- Captive center contact
- Thick wall, 26.5 GHz SMA
- Type N & SMA OneTurn™ (1 full rotation to mate)
- Knurl/hex coupling nut (Type N and TNC)

Connector Attachment/Strain Relief
- Rugged, solder-clamp to braid. 175-300 lb pull force.
- Additional crimp system on armored version.
- Redundant triple layer strain relief system (Dual layer on armored version)

Ordering Information:
\[ U = \text{Unarmored 1 ft (0.25m) minimum assembly length} \]
\[ A = \text{Armed 2 ft (0.5m) minimum assembly length} \]
\[ S = \text{Steel, torque & crush resistant arm 3 ft (1.0m) min. length} \]

Specifications subject to change without notice
- **RF stability and flex life are in accordance with the flex test method example. Data is for cables 4ft or shorter. Longer cables may exhibit different stability characteristics. A cable will exhibit some instability when new. A very brief period of use is required to alleviate RF stability and flex life.**
- **Phase stability data IAW Times’ phase/flex test criteria as demonstrated above.**

**Mechanical Specifications**

| Dimensions                     | in   | mm   
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Armored Diameter: armor/strain relief</td>
<td>0.450</td>
<td>11.50</td>
</tr>
<tr>
<td>Unarmored Diameter: cable/strain relief</td>
<td>0.195</td>
<td>4.950</td>
</tr>
<tr>
<td>Min bend radius, armored (max flex life)</td>
<td>2.25</td>
<td>57</td>
</tr>
<tr>
<td>Min bend radius, unarmored (max flex life)</td>
<td>1.00</td>
<td>25</td>
</tr>
<tr>
<td>Crushing (armored version)</td>
<td>PVC: 1200 lbs per linear inch, Steel: 1500 lbs per linear inch</td>
<td></td>
</tr>
<tr>
<td>Mating Life Cycle *</td>
<td>QMA, SMA, Type N: &gt;5000</td>
<td></td>
</tr>
<tr>
<td>Temperature range</td>
<td>-67°F/185°C</td>
<td></td>
</tr>
</tbody>
</table>

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Impedance</th>
<th>50 Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velocity of Propagation</td>
<td>70%</td>
</tr>
<tr>
<td>Shielding Effectiveness</td>
<td>&gt;90 dB</td>
</tr>
<tr>
<td>BNC</td>
<td>4 GHz 6 GHz 18 GHz 26.5 GHz</td>
</tr>
<tr>
<td>SMA, QMA, 3.5mm</td>
<td>1.25:1 1.25:1 1.30:1 1.35:1</td>
</tr>
<tr>
<td>Type N, TNC, Swept R/A</td>
<td>1.30:1 (tube R/A) 1.35:1 (tube R/A)</td>
</tr>
<tr>
<td>7mm</td>
<td>1.25:1 1.35:1</td>
</tr>
<tr>
<td>Phase Stability**</td>
<td>+/-2° through 18GHz</td>
</tr>
<tr>
<td>Typical</td>
<td>+/-3° through 26.5GHz</td>
</tr>
<tr>
<td>Attenuation, max@77°F (25°C)</td>
<td>dB/100 ft (dB/100 m)</td>
</tr>
<tr>
<td>6 GHz</td>
<td>34</td>
</tr>
<tr>
<td>18 GHz</td>
<td>68</td>
</tr>
<tr>
<td>26.5 GHz</td>
<td>89</td>
</tr>
</tbody>
</table>

**Cable Power Handling (Cable Only)**

| @77°F (25°C) sea level, watts (max) |
| 6 GHz | 180 |
| 18 GHz | 88 |
| 26.5 GHz | 65 |

Labels on unarmored assemblies under 1.5 feet (0.5m) long remain loose to increase flexibility.
Some connector combinations and/or lengths may be unavailable. Please contact Times or your Times authorized representative.