SilverLine[®]-TG Tuffer ISO 9001 Certified **Coax Test Cables**

For Wireless System Testing:

- Cell Site Antenna & Cable Sweep Test
- Troubleshooting
- RF Maintenance
- Field RF Test



Times' **SilverLine-TG** $^{\mathbb{R}}$ Replacement Guarantee Times will repair or replace your SilverLine-TG test cable at its option if the connector attachment fails within one year of shipment. Excludes cable or connector interface damage from misuse or abuse.





Anritsu SiteMaster™ courtesy of Anritsu Co.

SilverLine[®]-TG $(TuffGrip^{\mathbb{R}})$ test cables are designed for sweep testing cellular infrastructure site cables and antennas. Its unique features were designed by field technicians for field technicians.

TuffGrip[®] employs a hefty handgrip at the system end to better withstand the rigors of field work. It meets the demands of repeated mating and unmating to cell tower cables with connectors that may have degraded from exposure.

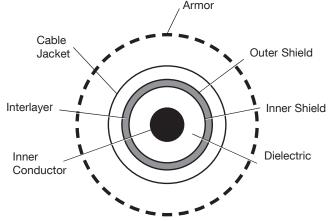
The robust hand grip allows the user to apply as much resistance as necessary to properly torque the system cable connector, while preventing excess torque from being applied to the high performance test cable. A proper connection may now be made quickly with a single wrench.

TuffGrip[®] test cables are double steel armored and antitorqueing, yet they are completely flexible. All connectors are stainless steel for thousands of mating cycles.

Features & Benefits:

- RF stable with flexure for accurate measurements
- Rugged construction for long life in field use
- > 50,000 flex life cable for added assurance
- High frequency operation to meet future needs
- Permanently attached heavy duty protective caps
- NEW short grip option

SilverLine[®]-TG



Cable Construction

Inner Conductor: Solid silver plated copper clad steel Dielectric: Solid PTFE

Shield: Silver-plated copper flat ribbon braid Aluminum-Polyimide tape interlayer 36 GA silverplated copper round braid (90%k)

Jacket: Clear FEP

Armor. Full, 100% non-interleaved spiral steel sheath overlaid with captured, opposing-force structure for anti-torque resistance. Waterpfoof, UV resistant, black TPR outer jacket

Connectors

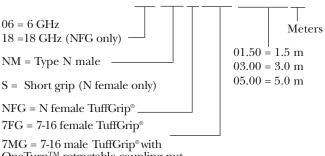
- Passivated stainless steel finish
- Captive contact
- Precision grade connectors
- 7-16 male includes retractable coupling nut with Times exclusive OneTurnTM fast mating feature
- Knurl/hex Type N coupling nut

Connector Attachment

- System side: TuffGrip[®] (patented)
- Analyzer side: solder/clamp/crimp

Ordering Information

SLSXX-NMXXXX-XX.XXM



OneTurnTM retractable coupling nut



Shortened Grip



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www.timesmicrowave.com

| Connector Retention | | > 290 lbs. | | | | |
|--|---------------------|-----------------------------|--------------|----------|---------|--|
| Armor Crush Resistance | | > 1200 lbs. per linear inch | | | | |
| Mating Life Cycle | | > 5,000* | | | | |
| Flex Life | | > 50,000** | | | | |
| Temperature Range | | -67°/+221°F | -55° | | /+105°C | |
| Electrical Spe | cifications | | | | | |
| Impedance | | 50 ohms | | | | |
| Velocity of Propagation | | 70 % | | | | |
| Shielding Effectiveness | | >100 dB | | | | |
| Capacitance | | 29.4 pf/ft = 96.4 pf/m | | | | |
| Phase Stability (ten, 4" radius, 180° reverse bends) DC to 10 GHz: +/- 1.1° 10 to 18 GHz: +/- 2.0° | | | | | | |
| VSWR Max | | | 6 | GHz | 18 GHz | |
| | | Type N | 1 | .20:1 | 1.35:1 | |
| | | 7-16 | 1 | .25:1 | | |
| Attenuation N | lax @ +77°F | (+25°C) | | | | |
| Frequency | (GHz) | dB/100 ft | | dB/100 m | | |
| | 1.0 | 12 | 40 | | | |
| | 2.0 | 18 | 18 | | 59 | |
| | 6.0 | 34 | 112 | | 112 | |
| | 18.0 | 68 | | 224 | | |
| Power Handling @ +77°F (+25°C) (Sea Level) (Cable Only***) | | | | | | |
| Frequency | (GHz) | | Watts (max.) | | | |
| | 1 | 539 | | | | |
| | 2 | 363 | | | | |
| 6 | | 180 | | | | |
| | 18 | 88 | | | | |
| Specifications subject to | change without noti | ce. | | | | |

in

0.430

2.50

mm

10.92

63.5

TuffGrip[®]

Dimensions

Armored O.D.

Mechanical Specifications

Minimum Bend Radius

*Assumes the use of a calibrated torque wrench, proper care and cleaning of interface, and mated connector is within mil spec limits. ** Minimum bend radius not to be exceeded

*** Connector configuration may limit cable assembly maximum power handling capability.

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