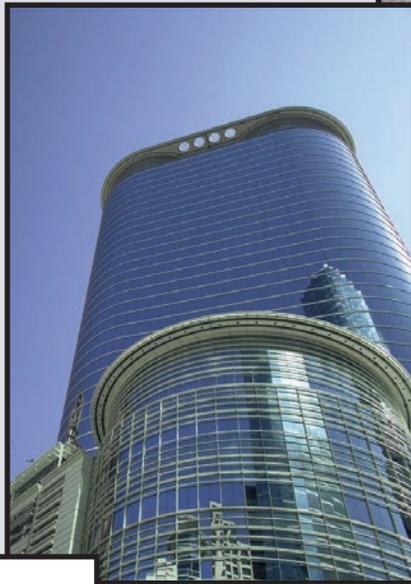


SilverLine[®]-DAS (Low PIM)

ISO 9001 Certified

Low PIM Test Leads for DAS Systems and Component Testing

- *Rugged Armored Construction For:*
 - *Consistent Measurements*
 - *Long Life*
- *Superior to Un-armored Corrugated Test Leads*



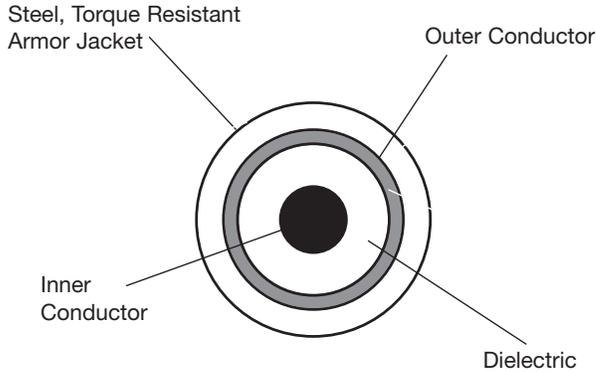
SilverLine[®]-DAS is specifically designed for stable, low PIM performance and to withstand the flexing that occurs when testing indoor DAS systems in tight spaces. It features steel armor to resist over-bending and a highly robust strain relief. Both contribute to long product life and consistent, repeatable measurements.

SilverLine[®]-DAS is available with 7-16 DIN and Type N connectors. It is suitable for use with the latest generation of portable field PIM analyzers.

Features & Benefits

- Won't kink like corrugated cable
- Better than -117 dbm (-160 dbc) performance*
- Low attenuation
- RoHS compliant

SilverLine®-DAS



Cable Construction

Inner Conductor: Solid copper clad aluminum

Dielectric: Low density tape wrapped PTFE or foam polyethylene

Shield: Helical corrugated copper

Armor: Full, 100% non-interleaved spiral steel sheath. Waterproof, UV and abrasion resistant, Black TPE outer jacket

Connectors: Low PIM, Tri-Metal plated brass

Connector Attachment: Fully soldered center contact and shield. Attachment includes a three layer, glue lined, heat activated sleeving with progressive flexibility

To Achieve High Mating Life:

- Inspect and clean interfaces frequently
- Flush with alcohol or swab to remove dirt, debris, and metal particles
- Protect interface from damage
- Replace protective caps when not in use
- Install sacrificial male/female low PIM adapter

Best Practices For Accurate PIM Measurements:

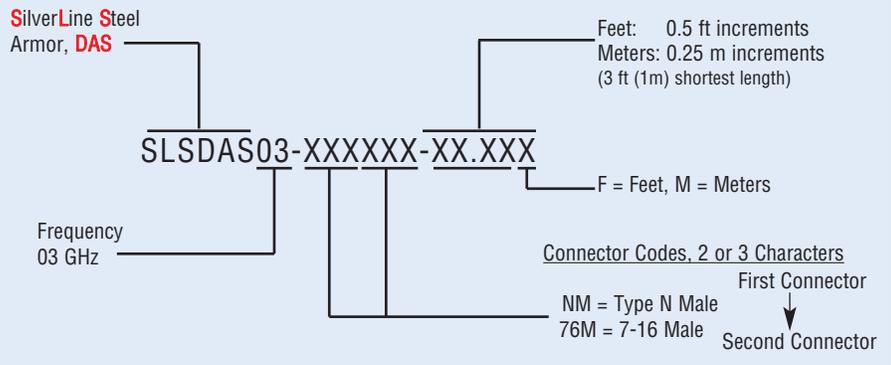
- Assure all interfaces are clean
- Push on and hand tighten test lead
- Tighten with a calibrated torque wrench
- DO NOT use wrenches with "teeth"
- -117 to -125 dbm variations are normal
- If spikes occur loosen and retighten one end at a time
- Blow out interfaces with dry compressed air
- Flex as little as possible. DO NOT over-bend

Mechanical Specifications		
Dimensions	in	mm
Armor	0.48	12.0
Armor Crush Resistance	>600 lbs. per linear inch	
Minimum Bend Radius	4.5	115
Length Tolerances	+/-2% of length	
Storage Temperature	-40° / +185°F	-40C / +85C
Electrical Specifications		
Passive Intermodulation (min)	-117 dbm (-160 dbc) at rest or in motion	
VSWR (ret. loss) DC -3 Ghz	1.25:1 (19 db) typ. 1.35:1 (36.54 db) max	
Impedance	50 Ohms	
Velocity of Propagation	Foam PE: 84%	PTFE tape: 76%
Shielding Effectiveness	>-100db	
Capacitance	24.2 pf/ft	79.4 pf/meter
Attenuation, max @77°F (+25°C)		
Frequency (Mhz)	dB/100 ft	(dB/100 m)
800	5.3	(17.4)
900	5.6	(18.5)
1800	8.2	(26.9)
1900	8.5	(27.7)
2100	8.9	(29.2)
3000	10.9	(35.6)
Power Handling @77°F (+25°C) (Watts, average) (Sea Level) (Cable Only)		
Mhz	Watts (average)	
800	420	
900	400	
1800	270	
1900	260	
2100	250	
3000	210	

*Specifications subject to change without notice.

Ordering Information

For the most accurate measurement results limit length to 2.75 meters.



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SL-DAS 06/15