

HUBER+SUHNER

TL-8A Assembly Family

Test Leads Assemblies

RF Assemblies

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RF Assemblies

Product description

TL-A8

Test Lead with Armouring for testing equipment's or components up to 8 GHz

- Developed for applications where optimum VSWR and Attenuation are required
- Factory-made cable assemblies
- Produced under stringent manufacturing quality standards.



Applications

The TL-8A product line is designed to be used in:

- Test labs for testing equipment's or components with Vector Network Analyser (VNA)
- Operations for continues measuring Return Loss and Attenuation



Features / Benefits

- Excellent RF performance by optimize design of cable and connectors
- Long Lifetime
- High flexibility
- Connectors with Quick-Lock nuts
- High Mechanical Endurance
- Excellence Resistance to Wear
- Free of Halogen
- Economical Prices
- Short Lead Time



Cable

- **TL-8A assemblies are made with a HUBER+SUHNER cable using PE Foam dielectric and a double screened cable braid**
- **TPU - Armouring (blue colour) which is well known from our SUCOFLEX assemblies**
- **Moulded Cable Entry protection**



Connectors

- **TL-8A assemblies are in general terminated with N male connectors which offer excellent characteristics guaranteed and proven by HUBER+SUHRNER's high stand of quality in design and production technology.**

Connectors available only in straight version.

**Connectors for other series on request.
(SMA, TNC)**



Standard Product (TL-8A-...-51)

- 100% Tested for Return Loss and Attenuation

→ each assembly included with a test report and protection on connectors

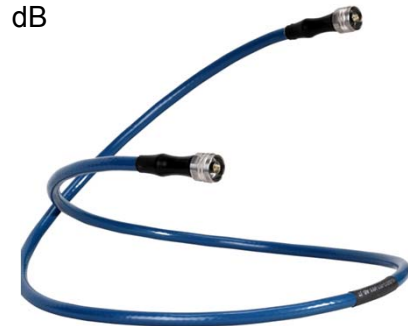
- Available in Predetermined Lengths

H+S Mat.No.:	H+S Product Description:	Length:
84236770	TL-8A-11N-11N-00600-51	0.6 m
84236772	TL-8A-11N-11N-01000-51	1.0 m
85006682	TL-8A-11N-11N-01500-51	1.5 m
84236774	TL-8A-11N-11N-02000-51	2.0 m



- Key Values

Frequency:	optimized up to: 8 GHz				
Return Loss:	1 GHz	2 GHz	4 GHz	6 GHz	8 GHz
up to 1.8 m:	≤ -32 dB	≤ -29 dB	≤ -26 dB	≤ -25 dB	≤ -22 dB
≥ 2.0 m:	≤ -31 dB	≤ -27 dB	≤ -25 dB	≤ -24 dB	≤ -21 dB
Attenuation:	1.24 dB/m @ 8 GHz (typical)				
Waterproof:	no gasket on interface				
Temperature range:	- 5°C...+85°C				
Durability (Matings)	>3000 cycles				
Assembly Length:	min. 300 mm // max. 2000 mm				



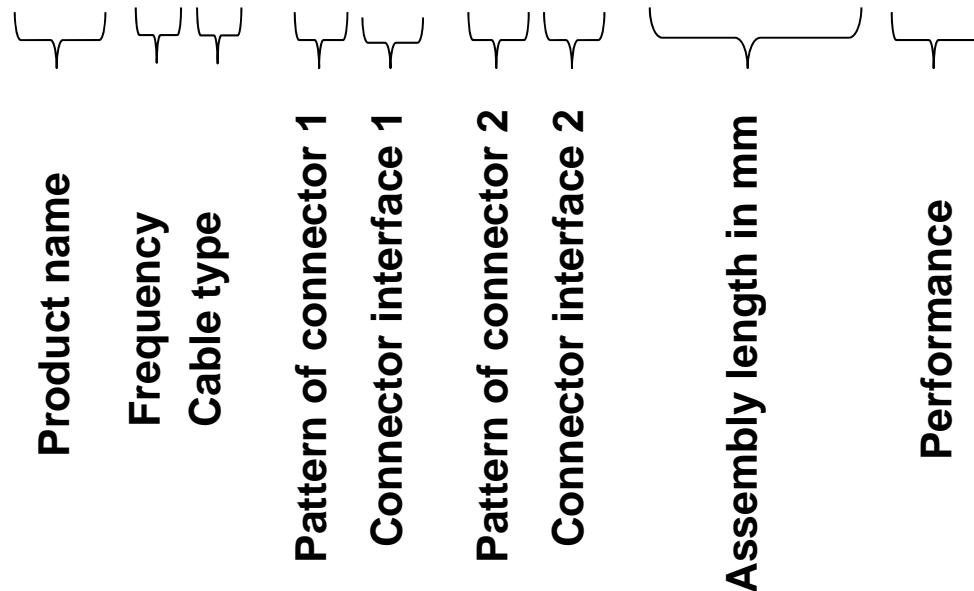
- Options: (TL-8A...-01, customer specific assembly)

Waterproof:	IP 67	→ with gasket on interface
Temperature range:	- 40°C...+85°C	→ with gasket on interface and shrinking sleeve over moulding
Assembly length:	over 2 m only after approval of responsible PM	

Ordering information

Ordering Example

TL-8A-11N-11N-01500-51



Product Name:	Test Lead	TL
Frequency:	up to GHz	8
Cable:	with Armor	A
Connector Pattern:		11
Connector Interface:		N SMA TNC
Assembly length:	min. 300 mm (Ref. Interface to Ref. interface)	max. 2000 mm
Performance Code:	(Standard)	51





HUBER+SUHNER

Excellence in Connectivity Solutions