

TL-8A

The test lead for component and equipment testing up to 8 GHz

Product description

TL-8A assemblies are designed for testing components or equipments up to 8 GHz with network analyser (NA). This economical assembly family is made with a PE foamed double screened cable and protected with an armouring using a moulded cable entry. The excellent electrical performance combined with a high mechanical endurance is ideal for use in test labs and in operations

Product features

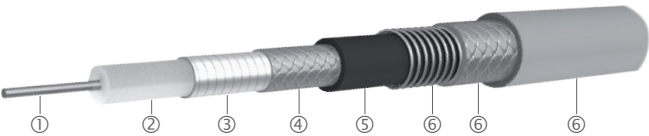
- Impedance 50 Ω
- Applicable up to 8 GHz
- High mechanical endurance
- Excellent insertion and return loss
- High mating cycle
- N connector with quick-lock nut
- Excellent performance to price ratio
- Free of halogen



Recommended connectors

TL-8A	SMA, N
	Other connectors available on request.

Construction



Cable	Inner conductor ①	Dielectric ②	Outer conductor ③ ④	Jacket ⑤	Ruggedisation ⑥	Outer diameter
						mm
TL-8A	CuAg wire	SPE	CuAg braid	LSFH	stainless steel/PUR, blue	10.3

Technical data

Cable	Operating frequency	Velocity of propagation	Weight	Preferred bending radius	Temperature range
	GHz	%	g /m	mm	°C
TL-8A	8	82	225.0	100.0	−5 to +85

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Technical data

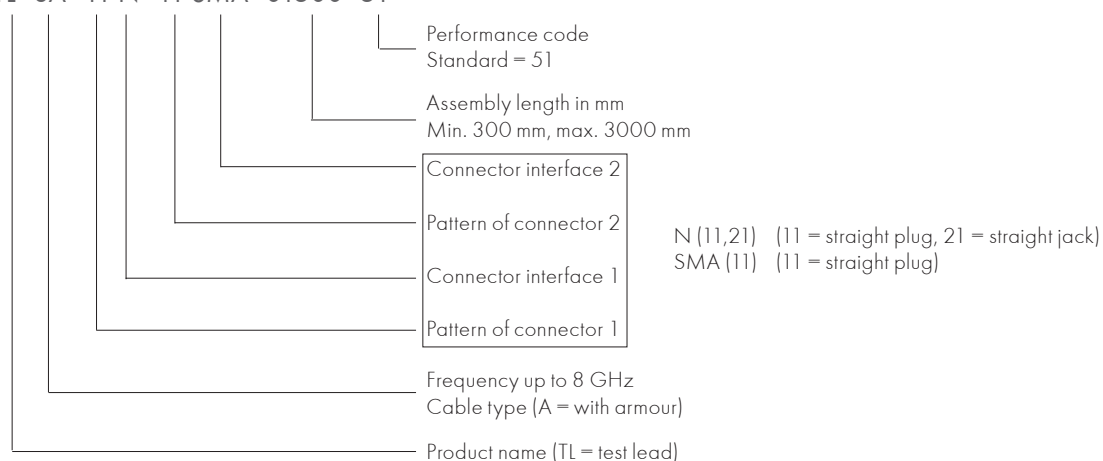
Key values						
Frequency	up to 8 GHz					
Return loss	1 GHz	2 GHz	4 GHz	6 GHz	8 GHz	
up to 1 m	≤ −30 dB	≤ −27 dB	≤ −25 dB	≤ −23 dB	≤ −21 dB	
≥ 3.0 m	≤ −29 dB	≤ −26 dB	≤ −24 dB	≤ −22 dB	≤ −20 dB	
Attenuation	1.24 dB/m at 8 GHz (typical)					
Waterproof	no gasket on interface					
Durability (matings)	> 3000 cycles					
Assembly length	min. 300 mm, max. 3000 mm					

Stock assemblies

Item no.	Type	Length mm	Frequency GHz	Max. insertion los at 25 °C	Max. VSWR	ROHS compliant
85006682	TL-8A-11N-11N-01500-51	1500	8	1.84	1.20	yes
85014643	TL-8A-11N-11SMA-01500-51	1500	8	1.84	1.18	yes
85021664	TL-8A-11N-21N-01500-51	1500	8	1.84	1.20	yes

Available in predetermined lengths	
TL-8A-11N-11N-xxxxx*-51	0.6 m up to 3.0 m
TL-8A-11N-11SMA-xxxxx*-51	
TL-8A-11SMA-11SMA-xxxxx*-51	
TL-8A-11N-21N-xxxxx-51	

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



* Length of assembly in mm; length up to four meters on request.