

MICROWAVE TEST ASSEMBLIES, N (male), N (female), 50 Ohm, 8 GHz, 3000mm

TL-8A-11N-21N-03000-51

Properties

- Applicable up to 8 GHz
- High flexibility in spite of armouring
- Quicklock nut



Product configuration	
Type of cable	TL-8A
Type description connector A	11_N-50-4-21/133_N
Series connector A	N, straight - plug
Type description connector B	21_N-50-4-72/193_N
Series connector B	N, straight - jack
Armour	A-Armour blue SF 103/104/126/TL-8A, 85°C, Ø10.2mm, PUR jacket
Length	3000 mm
Length type	REF to REF
Electrical data	
Impedance	50 Ω
Max. operating frequency	8 GHz
Min. return loss	20 dB
VSWR max	1.222
Max. insertion loss	4.25 dB
Signal delay	4.12 ns/m
Propagation velocity	81 %
CW Power at 40°	50 W at 8 GHz
Mechanical data	
Weight	0.53 kg
Cable diameter	10.3 mm
Static bending radius	55 mm
Environmental data	
Operation temperature	-40 °C ... 85 °C

MICROWAVE TEST ASSEMBLIES, N (male), N (female), 50 Ohm, 8 GHz, 3000mm

TL-8A-11N-21N-03000-51

Material compliance

Item number	Directive / Regulation	Rating	Exemptions / Details
85021665	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c

Comment

Test assembly for indoor applications (Test and Measurement) consisting of a high flexible PE foamed cable with armouring protection and N male and N female straight connectors for frequency up to 8.0 GHz.

Ordering information

Item number	Item description
85021665	TL-8A-11N-21N-03000-51

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P648 / Date of publication: 14.01.2026 / uncontrolled copy