

COAXIAL CONNECTOR, N, 50 Ohm, Straight cable jack (female)

21_N-50-3-8/133_N

Properties

- Screwed coupling mechanism for sturdy and reliable connection
- IP rating (interface, mated) IP67
- Interface dimensions according IEC/MIL

**Product configuration**

Gender	Standard
jack	IEC 61169-16_MIL-STD-348A/304_CECC 22210

Interface and material data

Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Outer conductor	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	
Crimp ferrule	Copper	SUCOPLATE (R) Plating

Electrical data

Impedance	50 Ω
Interface frequency	11 GHz

Electrical Data (frequency related)

Frequency range	Return loss	VSWR
0 GHz ... 3 GHz	32.56 dB	1.05
3 GHz ... 8 GHz	20.07 dB	1.22

Mechanical data

Weight	0.0343 kg
Mating cycles	500
Cable entry centre contact	crimped
Cable entry outer contact	crimped

COAXIAL CONNECTOR, N, 50 Ohm, Straight cable jack (female)

21_N-50-3-8/133_N

Environmental data	
Operation temperature	-65 °C ... 165 °C

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22542231	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
22651077	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Ordering Information Table		
Item number	Item description	Packaging type
22542231	21_N-50-3-8/133_NE	Single
22651077	21_N-50-3-8/133_NH	Bulk 100 pcs

Suitable cables	
Cable group	U9 - 3 mm / 50 Ohm
Suitable cables	RG_223_/U
Suitable cables	RG_142_B/U
	ENVIROFLEX_142
Additional cables	RADOX_RF_142

Additional Information	
Only as assembly	No

Suitable tools		
Item number	Item description	Type of tool
22543189	76_Z-0-4-1	Crimping dies
22543185	76_Z-0-3-1	Crimping dies

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-P2883 / Date of publication: 22.12.2025 / uncontrolled copy