

COAXIAL CONNECTOR, TNC, 50 Ohm, Straight bulkhead cable jack (female)
24_TNC-50-2-31/133_N

Properties

- Threaded coupling mechanism improves control over the interface dimensions
- Used under a higher environmental load than BNC
- Available for 50 ohm and 75 ohm applications
- Applicable in frequencies up to 11 GHz



Product configuration		
Interface type	Gender	Standard
TNC	jack	IEC 60169-17_MIL-STD-348A/313_CECC 22200

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	
Gasket	VMQ (Silicone rubber)	
Fastening nut	Brass	SUCOPLATE (R) Plating
Washer	Bronze	SUCOPLATE (R) Plating

Electrical data	
Impedance	50 Ω
Interface frequency	11 GHz

Electrical Data (frequency related)		
Frequency range	Return loss	VSWR
0 GHz ... 2.5 GHz	35 dB	1.036

Mechanical data	
Weight	0.0183 kg
Mating cycles	500
Cable entry centre contact	soldered

COAXIAL CONNECTOR, TNC, 50 Ohm, Straight bulkhead cable jack (female)

24_TNC-50-2-31/133_N

Mechanical data	
Cable entry outer contact	soldered

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
23001721	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
23001721	24_TNC-50-2-31/133_NE	Single

Suitable cables	
Cable group	Y3 - 2 mm / 50 Ohm
	Y16 - 2 mm / 50 Ohm
	Y11 - 2 mm / 50 Ohm
Suitable cables	SUCOFORM_86
	MULTIFLEX_86
	SR_86_TP_M17

Additional Information	
Remarks	El. optimized for cable EZ_86
Only as assembly	No

Suitable tools		
Item number	Item description	Type of tool
22544616	74_Z-0-0-66	Locator
22544559	74_Z-0-0-60	Support
22544557	74_Z-0-0-58	Assembly tool
23024588	74_Z-0-0-442	Soldering tool
22660103	74_Z-0-0-162	Gauges
22643029	74_Z-0-0-157	Cable stripping tool
23019268	74_Z-0-0-364/---_-E	Support
22650121	74_Z-0-0-287	

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-P2548 / Date of publication: 11.07.2025 / uncontrolled copy