

COAXIAL CONNECTOR, TNC, 50 Ohm, Straight cable plug (male)

11_TNC-50-4-77/133_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	plug	IEC 60169-17_MIL-STD-348A/313_CECC 22200

Interface and material data

Piece parts	Material	Plating
Centre contact	Bronze	SUCOPRO Plating
Outer conductor	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Other body part	Brass	SUCOPLATE (R) Plating
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Brass	SUCOPLATE (R) Plating
Gasket	FVMQ (Fluoro silicone elastomer)	
Crimp ferrule	Copper	SUCOPLATE (R) Plating

Electrical data

Impedance	50 Ω
Interface frequency	11 GHz

Electrical Data (frequency related)

Frequency range	Return loss	VSWR
0.1 GHz ... 2 GHz	30 dB	1.065
2 GHz ... 4 GHz	23.6 dB	1.141
4 GHz ... 6 GHz	22.8 dB	1.156

COAXIAL CONNECTOR, TNC, 50 Ohm, Straight cable plug (male)

11_TNC-50-4-77/133_N

Mechanical data			
Mating cycles		500	
Cable entry centre contact		plugged	
Cable entry outer contact		crimped	
Environmental data			
Operation temperature		-50 °C ... 165 °C	
Ingress protection (IP Rating)		Mated / IP67	
Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85010169	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
85010169	11_TNC-50-4-77/133_NE		Single
Suitable cables			
Cable group		X28 - 4 mm / 50 Ohm	
Suitable cables		SPUMA_240	
Suitable cables		SPUMA_240-FR-01	
		SPUMA_240-FR-AM	
Additional Information			
Only as assembly		No	
Suitable tools			
Item number	Item description	Type of tool	
22544758	76_Z-0-4-51	Crimping dies	
22543189	76_Z-0-4-1	Crimping dies	
22643028	74_Z-0-0-164	Trimming tool	

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-P3388 / Date of publication: 15.12.2025 / uncontrolled copy