DATA SHEET

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

11_TNC-50-3-116/133_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	Brass	Gold Plating (Nickel underplated)
Outer conductor	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	
Coupling nut	Brass	SUCOPLATE (R) Plating
Gasket	VMQ (Silicone rubber)	
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 ... 2.5 GHz	30 dB	1.065

Mechanical data	
Weight	0.0139 kg
Mating cycles	500
Cable entry centre contact	crimped

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Mechanical data	
Cable entry outer contact	crimped

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
23001714	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
23001715	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
23001714	11_TNC-50-3-116/133_NE	Single
23001715	11_TNC-50-3-116/133_NH	Bulk 100 pcs

Suitable cables	
Cable group	U7 - 3 mm / 50 Ohm
Suitable cables	RG_58_C/U
Suitable cables	GX_03272
	G_03232
	G_03212-01

Additional Information	
Remarks	El. optimized for cable RG_58_C/U
Only as assembly	No

Suitable tools		
Item number	Item description	Type of tool
22543193	76_Z-0-5-21	Crimping dies
22543189	76_Z-0-4-1	Crimping dies
22543185	76_Z-0-3-1	Crimping dies

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