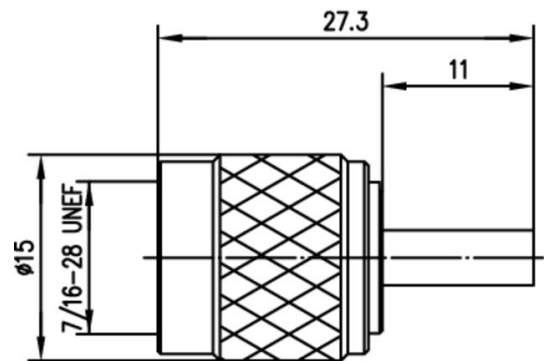
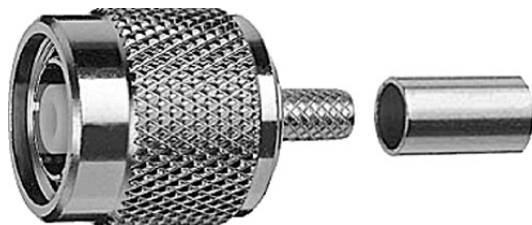


order number: J01010R0001

R-TNC Straight Plug G7 (RG-316/U) crimp/crimp



Technical Attributes	
Cable group; cable	G7 (RG-316/U) RG-188A/U RG-174/U KX 3B RG-316/U KX 22A
Remarks	crimp/crimp
Assembly	A3416
Crimp die	N01003A0009

Product description

The term “reverse-polarised connectors” is used where, for example, a standard cable plug has a female centre contact, instead of a male centre contact. Reverse-polarised connectors are mainly used in WLAN applications and are available in three different series: R-SMA connectors are supplied with a threaded coupling, are vibration resistant and can be used up to frequencies of over 6 GHz (depending on type). The impedance is controlled at 50 Ω .

R-TNC connectors are supplied with a threaded coupling, are vibration resistant and can be used up to frequencies of over 6 GHz. The impedance is controlled at 50 Ω .

R-BNC connectors are supplied with a bayonet coupling. Connector designs are available with crimp cable termination. Mating face sealing for series R-SMA and R-TNC between plug and jack (mated) meet IP 68 requirements; series R-BNC meets IP 54 requirements.

Mechanical Characteristics	
Durability (mating cycles)	≥ 500

Recommended coupling torque	R-SMA: 79 - 113 Ncm; R-TNC: 46 - 69 Ncm
Material: spring contacts	R-SMA: CuBe ₂ ; R-TNC/R-BNC: CuBe ₂ , CuNi ₁ Pb ₁ P(C97)
Material: solid contact parts	CuZn ₃₉ Pb ₃
Material: crimp ferrule	Cu / CuZn ₃₉ Pb ₃
Material: serrated lock washer	CuSn ₆
Material: insulators	PTFE PTFE
Material: gaskets	Silicone
Material: outer conductor	CuZn ₃₉ Pb ₃
Material: other metal parts	CuZn ₃₉ Pb ₃
Finish: Inner conductor	R-SMA: Cu ₁ Ni ₂ Au _{1.27} ; R-TNC / R-BNC: Cu ₁ Ni ₂ Au _{0.8}
Finish: Outer conductor	R-SMA: NiPAu; R-TNC / R-BNC: Cu ₂ Ni ₅
Finish: Other metal parts	R-SMA: Cu ₁ Ni ₂ Au _{0.2} ; R-TNC / R-BNC: Cu ₂ Ni ₅

Climatic Characteristics	
Climatic category acc. to IEC 60068 - 1	R-SMA: 55/155/56
Types with PTFE insulator	R-TNC / R-BNC: 40/155/21

Electrical Characteristics	
Impedance	50 Ω
Working voltage	R-SMA: ≤ 335 V/50 Hz; R-TNC / R-BNC: ≤ 500 V _{eff} /50 Hz
Contact resistance inner conductor	R-SMA: ≤ 3 mΩ; R-TNC: ≤ 10 mΩ; R-BNC: ≤ 20 mΩ
Contact resistance outer conductor	R-SMA: ≤ 2 mΩ; R-TNC: ≤ 2.5 mΩ; R-BNC: ≤ 5 mΩ
Insulation resistance	≥ 5 GΩ
Frequency range up to	R-BNC: 4 GHz; R-SMA: 6 GHz; R-TNC: 6 GHz