

Coax

BNC

TNC

TNC Straight Plug

TNC Straight Plug Crimp

TNC Angle Plug

TNC Angle Plug Crimp

TNC Straight Jack

TNC Straight Jack Crimp

TNC Bulkhead Jack

TNC Bulkhead Jack Crimp

TNC Bulkhead Socket

TNC Panel Jack

TNC Panel Socket

TNC Receptacle, female, for
Printed CircuitsTNC Angle Receptacle, female,
for Printed Circuits

TNC Adaptor

TNC Adaptor for Panel Mounting

TNC Angle Adaptor

TNC T Adaptor

TNC Dust Cap

TNC Termination

TNC Surge Suppressor

N

UHF

Mini-UHF

FME

SMA

SMB/SMC/SMS

SSMB

MCX

MMCX

1.6/5.6

7-16 (DIN)

RF Combination Connectors and
Cable Clamps

Inter-Series Adaptors

pH

Cable Terminators

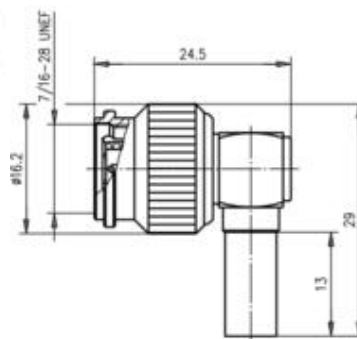
RF Cable Assemblies and Test
Accessories

Spare Parts and Accessories, Tools

Reverse-polarised connectors R-
TNC, R-SMA, R-BNC**TNC**

TNC Angle Plug Crimp

Order number: J01010A0005



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specification sheet

specification sheet

Assembly instruction

TNC Angle Plug Crimp G1 (RG-58C/U) solder/crimp

Product description

The TNC series is a commonly used coax connector. Similar to the BNC, but with a screw coupling, this connector can be used up to 11 GHz. Both 50 • and 75 • impedances are available. Connector styles are available for flexible, conformable and semi-rigid cable types. Versions of the TNC connector are available for mounting to printed circuit boards using both through-hole soldered and through-hole press-fit techniques. Both crimp and clamp cable termination processes are used for this series. Applications for these connectors range from signal and data to video transmission where vibration resistance is required. TNC's are a low-cost high-frequency solution for coax connections.

Mating face sealing for TNC connectors between plug and jack (mated) according to IP 68. The classifications are general statements for the relevant series. Individual connectors may deviate from the values shown. If in doubt, please consult our engineers.

Technical Attributes

Z

Cable group: cable

Dimensions

Crimp die

Remarks

Assembly

50 •

G1 (RG-58C/U)

a=13, b=29 mm

N01001A0005

solder/crimp

A0505

language selection



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Mechanical Characteristics

Recommended coupling torque	0.46 - 0.69 Nm
Durability (mating cycles)	≥ 500
Material: Spring contacts	CuBe2; CuPb1.15Ni (C97)
Material: Outer conductor	CuZn39Pb3
Material: Other metal parts	CuZn39Pb3
Material: Insulators	PTFE; PE
Material: Gaskets	Silicon
Finish: Inner conductor	Cu1Ni2Au0.8
Finish: Outer conductor	Cu2Ni5
Finish: Other metal parts	Cu2Ni5

Electrical Characteristics

Contact resistance inner conductor	≤ 10 m•
Contact resistance outer conductor	≤ 2.5 m•
Insulation resistance	≥ 5 GHz
Voltage proof	1.5 kVeff/50 Hz
Impedance	50 •/(75 •)
Working voltage	≤ 500 Veff/50 Hz
Frequency range up to (valid for 50 • only)	11 GHz
Return loss: Straight style (valid for 50 • only)	≥ 17.7 dB/11 GHz
Return loss: Angle style (valid for 50 • only)	≥ 16.5 dB/11 GHz

Climatic Characteristics

Climatic category acc. to IEC 68 - 1	
Types with PTFE insulator	40/155/21
Types with PE insulator	40/75/21

