

DT-XL-LMR400-TNC-BNC-20m

Detailed parameters:

TNC-J400-LMR400 (3m)-BNC-J400

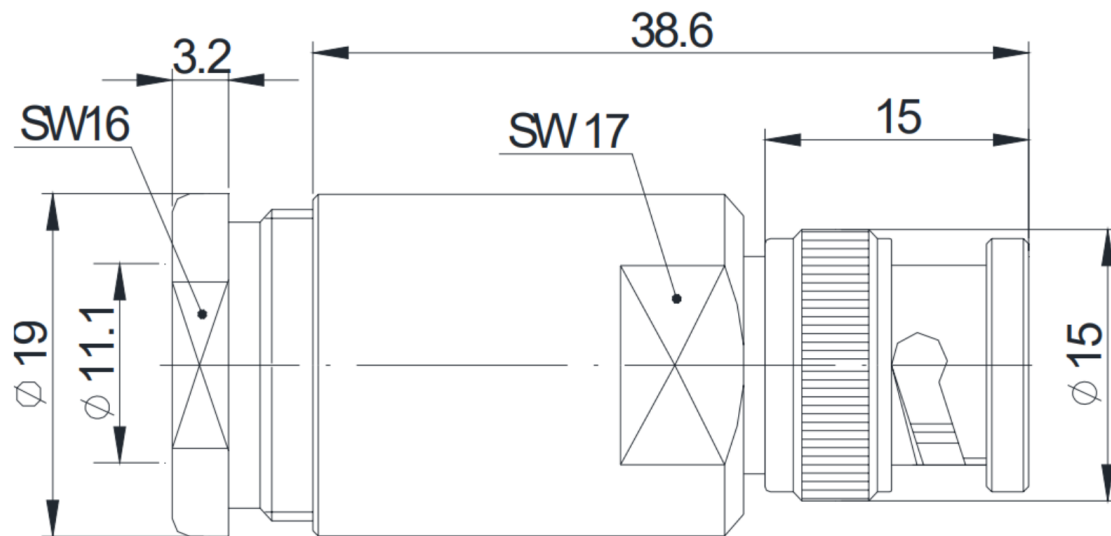
The following are the detailed parameters of each part.

BNC-J400 Cable Plug Technical Specifications

1. Material code: JC3.650. 2486
2. Material name: BNC straight crimping cable plug
3. Specification and model: BNC-J400
4. Product design level: universal connector level 2
5. Connection mechanism form: bayonet connection
6. Connection method: nut clamping and fixing
7. Applicable standards: **IEC60169-1** **IEC60169-8**
8. Mutual matching relationship: Can be matched with BNC type jack contact connector
9. Technical parameters:
 - A. Materials and surface treatment
 1. Insert Needle: Material is brass HPb59-1 GB3112-82
 2. Paint Coating: Electroplated gold
 3. Outside Shell: Material is brass HPb59-1 GB4425-84
 4. Paint Coating: electroplated three-alloy
 5. Insulator: Polytetrafluoroethylene
 - B. Electrical performance:
 1. Characteristic impedance: 50 Ω
 2. Frequency range: DC-2GHz
 3. Operating voltage: 500V
 4. Contact resistance: inner conductor: $\leq 1.5 \text{ M}\Omega$, Outer conductor $\leq 1 \text{ M}\Omega$
 5. Insulation resistance: $\geq 5000 \text{ M}\Omega$
 6. Dielectric withstand voltage: 1500V
 - C. Mechanical characteristics:

Mechanical life: > 500 times (12 times per minute)
 - D. Working environment:
 1. Ambient temperature: -40 ~ 85 $^{\circ}\text{C}$
 2. Relative humidity: 95% at + 40 $^{\circ}\text{C}$
 3. Waterproof requirements: No

10. Attached drawings



11. Matching cable: LMR400

12. Termination method:

Central conductor: welding

Outer conductor: nut clamping

13. Installation mode: free connection

14. Material introduction:

A. Basic situation: The product realizes BNC type pin connection for cable crimping installation connector

B. Packaging and storage:

Inner packaging and intermediate packaging: Plastic bags are packed in units, and then put into big bags.

Put the certificate of conformity inside the bag and put the environmental protection label on the outside of the bag.

Outer packaging: tile carton

C. Storage conditions: Store in a warehouse with a temperature of $10 \sim +35^{\circ}\text{C}$, relative humidity: no more than 80%, and no corrosive gases such as acids and alkalis in the surrounding air.

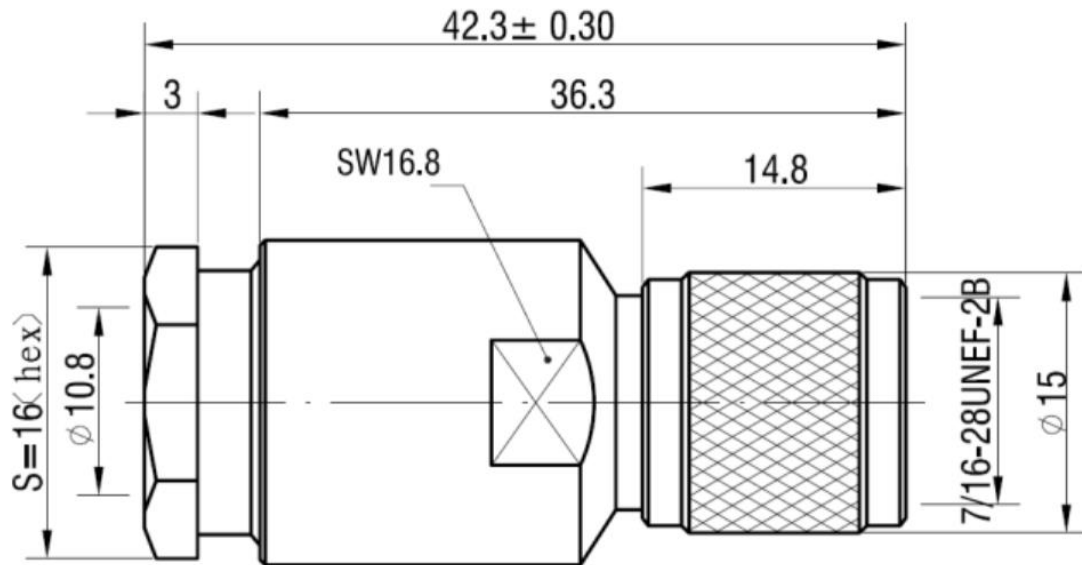
15. Process use: When docking, it must be aligned first and then connected.

16. Materials meet ROHS requirements

TNC-J400 Straight Cable Plug Technical Specifications

1. Material code: JC3.650. 1913
2. Material name: TNC cable plug
3. Specification and model: TNC-J400
4. Product design level: universal connector level 2
5. Connection mechanism form: threaded connection 7/16 "-28UNEF-2B
6. Connection method: nut clamping cable fixation
7. Applicable standards: **IEC60169-1 IEC60169-17**
8. Mutual matching relationship: can be matched with TNC type jack contact connector
9. Technical parameters:
 - A. Materials and surface treatment
 - 1.Insert Needle: Material is brass HPb59-1 GB3112-82
 - 2.Paint Cover: Gold plated
 - 3.Outside Shell: Material is brass HPb59-1 GB4425-84
 - 4.Paint Coating: Nickel plating
 - 5.Snail Set: Material is brass HPb59-1 GB1529-87
 - 6.Paint Coating: Nickel plating
 - 7.Insulator: Polytetrafluoroethylene
 - B. Electrical performance:
 - 1.Characteristic impedance: 50 Ω
 - 2.Frequency range: DC ~ 2GHz
 - 3.Operating voltage: 500V
 - 4.Contact resistance: inner conductor: $\leq 10 \text{ M}\Omega$, Outer conductor $\leq 2.5 \text{ M}\Omega$
 - 5.Insulation resistance: $\geq 5000 \text{ M}\Omega$
 - 6.Dielectrics withstand voltage: 1500V
 - C. Mechanical characteristics:
 - 1.Mechanical life: 500 times (12 times per minute)
 - 2.Connecting nut torque: recommended 46 ~ 69N. cm
 - D. Working environment:
 - 1.Ambient temperature: -40 ~ + 85 $^{\circ}\text{C}$
 - 2.Relative humidity: 95% at + 40 $^{\circ}\text{C}$
 - 3.Waterproofing Requirements: No

10. Attached drawings



11. Matching cable: LMR400

12. Termination method:

Central conductor: welding

Outer conductor: nut clamping

13. Installation mode: free installation

14. Material introduction:

A. Basic situation: The product realizes a freely installed TNC type jack connector

B. Packaging and storage:

Inner packaging and intermediate packaging: Plastic bags are packed in units, and then put into big bags.

Put the certificate of conformity inside the bag, and put the environmental protection label on the outside of the bag.

Outer packaging: tile carton

C. Storage conditions: Store in a warehouse with a temperature of $-10 \sim +35^{\circ}\text{C}$, relative humidity: no more than 80%, and no corrosive gases such as acids and alkalis in the surrounding air.

15. Process use: When docking, the thread must be aligned first and then tightened

16. The material meets RoHS requirements

LMR400 Cable



Structural parameters

Item	Materials	Diameter(mm)
Inner conductor	Bare copper wire	2.74
Insulator	Foamed polyethylene	7.24
Outer conductor	Self-adhesive aluminum foil + tinned copper wire braided	8.13
sheath	PE Polyethylene (or other material)	10.29

Electrical property parameter

Capacitance (pF/m)	78.4
Impedance (ohms)	50
Rate (%)	85
Sheath Pressure Resistance (VRMS)	8000
Peak power (kw)	16
Shielding attenuation (>dB)	90
Cut-off frequency (GHz)	16.2

Attenuation & Average power

Frequency (GHz)	Attenuation (dB/100m)	Average power (kw)
30	2.2	3.30
50	2.9	2.60
150	5.0	1.50
220	6.1	1.20
450	8.9	0.83
900	12.8	0.58
1500	16.8	0.44
1800	18.6	0.40
2000	19.6	0.37
2500	22.2	0.33
5800	35.5	0.21