

How to connect coaxial connector with cable LMR400

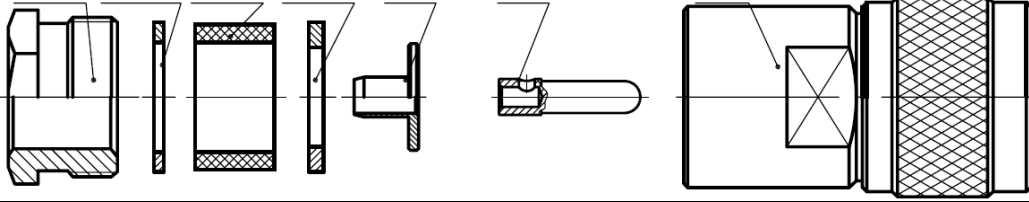
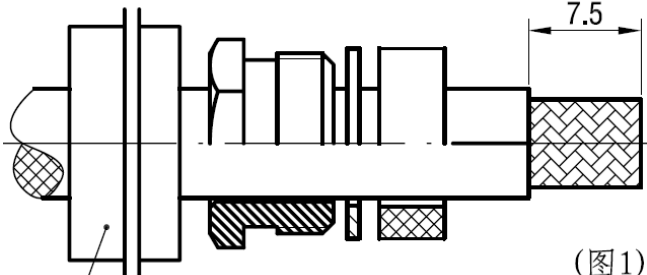
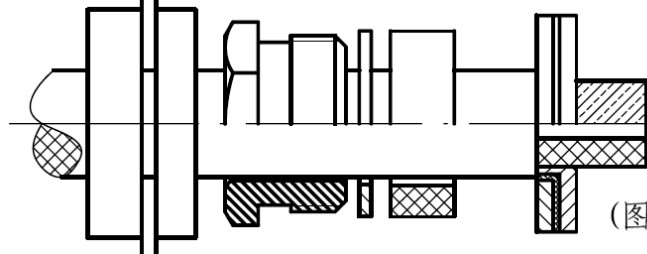
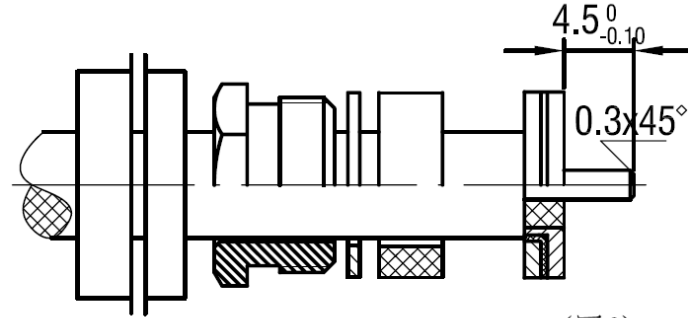
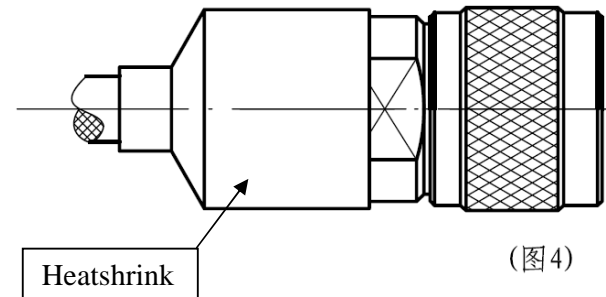
Coaxial Cables

LMR400, RG213, RG214 Cable s

Tools (basic)

<p>Cut cable in flush</p> <ul style="list-style-type: none"> HT1898 Light Duty Cable Cutter RG174, RG58, RG213 	
<p>HT-322S</p> <ul style="list-style-type: none"> Coaxial Cable Stripping Tool LMR400 	
<p>Solder the inner to the cable</p> <ul style="list-style-type: none"> Advanced Solder Station AT100D 100W The digital soldering station is temperature-controlled with an adjustable soldering tip temperature. The adjustable temperature lets you perform all 	
<p>Crimping tool</p> <ul style="list-style-type: none"> HT-33K 8.7" Ratchet Hex Crimping Tool for LMR400, RG213, Cables 	
<p>Fixed spanners: 16mm, 17mm</p>	
<p>Clean brush, pliers, vice, scissors. Blade</p>	

Installation detail:

	
<ul style="list-style-type: none"> • Cut cable with HT-322S 	 <p>(图1)</p>
<ul style="list-style-type: none"> • Install the spacers 	 <p>(图2)</p>
<ul style="list-style-type: none"> • Trim 4.5mm and smooth the inner edge 	 <p>(图3)</p>
<ul style="list-style-type: none"> • Screw to the body and heatshrink sealed 	 <p>Heatshrink</p> <p>(图4)</p>

2) N TYPE

These installation instructions are written for qualified and experienced personnel. Please read them carefully before commencing to fit any connectors. Please respect valid environmental and site regulations for assembly and waste disposal.

(a) TOOLS and MATERIALS

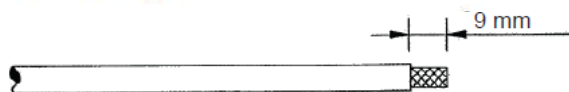
- Metric measuring tape with mm graduations.
- Cable knife.
- Wire brush.
- Scissors.
- 5/8" open ended spanner.
- 11/16" open ended spanner.
- Side cutters.

(b) CONNECTOR COMPONENTS



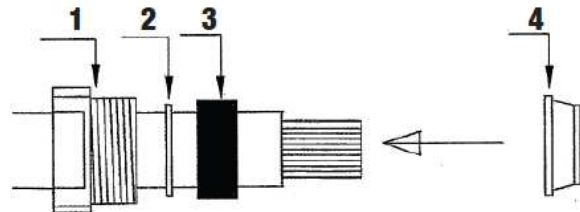
1. Back nut.
2. Pressure washer, stainless steel.
3. Sealing "O" ring.
4. Compression Sleeve.
5. Main connector body.

(c) CABLE TRIMMING



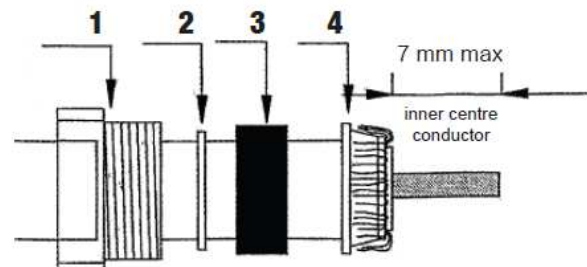
- Clean outer jacket of the coaxial cable.
- Trim the outer jacket back 9 mm to expose braid.

(d) CABLE PREPARATION



- Slide parts 1, 2 and 3 onto the cable in order shown.
- Fit part 4 (compression sleeve) over the braid until it stops against the cable jacket.
- Fold the braid back over the outside of the compression sleeve.
- Trim off excess braid with scissors.
- Remove cable dielectric and excess foil nearly level with the folded braid. Be careful not to cut the braid as it will effect the fitting of the connector body.
- Make sure that no braid is coming into contact with the coaxial cable inner centre conductor.

(e) FITTING THE CONNECTOR BODY



- Once you have prepared the cable as per the diagram above, slide part (3) sealing "O" ring up close to part (4) compression sleeve followed by part (2) pressure washer and then part (1) back nut.
- Once all components are in place, slide part (5) the connector body over the end of the cable until it meets the thread of (1) the back nut.
- Using the open end spanners, turn (1) the back nut into (5) the connector body until tight.
- The solderless connector pin will make internal contact with the cable inner centre conductor. Make sure that the cable is straight for proper pin contact.
- Test all connections with a multimeter to ensure there are no short circuits.