

N Female Low PIM Connector Clamp/Non-Solder Contact Attachme nt for 1/4 inch Superflexible, ET38339, IP67 Rated



RF Connectors Technical Data Sheet

ET10946

Configuration

- N Female Connector
- IEC 60169-16
- 50 Ohms
- Straight Body Geometry

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.1:1
- PIM levels lower than -160 dBc

- Connector Interface Types: 1/4 inch Superflexible, ET-1/4SFHC
- Low PIM Design

Applications

- General Purpose Test
- Wireless Communications

- Silver Plated Spring Copper Contact
- 5 µm minimum contact plating
- IP67 Rated

- Low PIM Applications
- Custom Cable Assemblies

Description

Ebeestock's ET10946 type N female connector with clamp/non-solder contact attachment for 1/4 inch Superflexible and ET-1/4SFHC is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.1:1. The type N female connector also has low passive intermodulation of -160 dBc. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our type N female connector ET10946 datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Ebeestock has the right connector for the job. Ebeestock can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.1:1	
Insertion Loss			0.1	dB
Passive Intermodulation using 2x20W tones			-160	dBc
Operating Voltage (DC)			1,700	Vdc
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/4 inch Superflexible, ET38339, IP67 Rated ET10946

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Mechanical Specifications

Size

 Length
 1.87 in [47.5 mm]

 Width/Dia.
 0.63 in [16.00 mm]

 Weight
 0.164 lbs [74.39 g]

 Mating Cycles
 500 Cycles

Material Specifications

Description	Material	Plating	
Contact	Spring Copper	Silver 5 µm minimum	
Insulation	PTFE		
Outer Conductor	Brass	Nickel 5 µm minimum	
Body	Brass	Tri-Metal 2 µm minimum	

Environmental Specifications

Temperature

Operating Range
Ingress Protection (IP) Rating
Shock
Vibration
IEC 60068-2-6-Fc
Thermal Shock
-40 to +85 deg C
IP67 Rated
IEC 60068-2-27
IEC 60068-2-14-Na

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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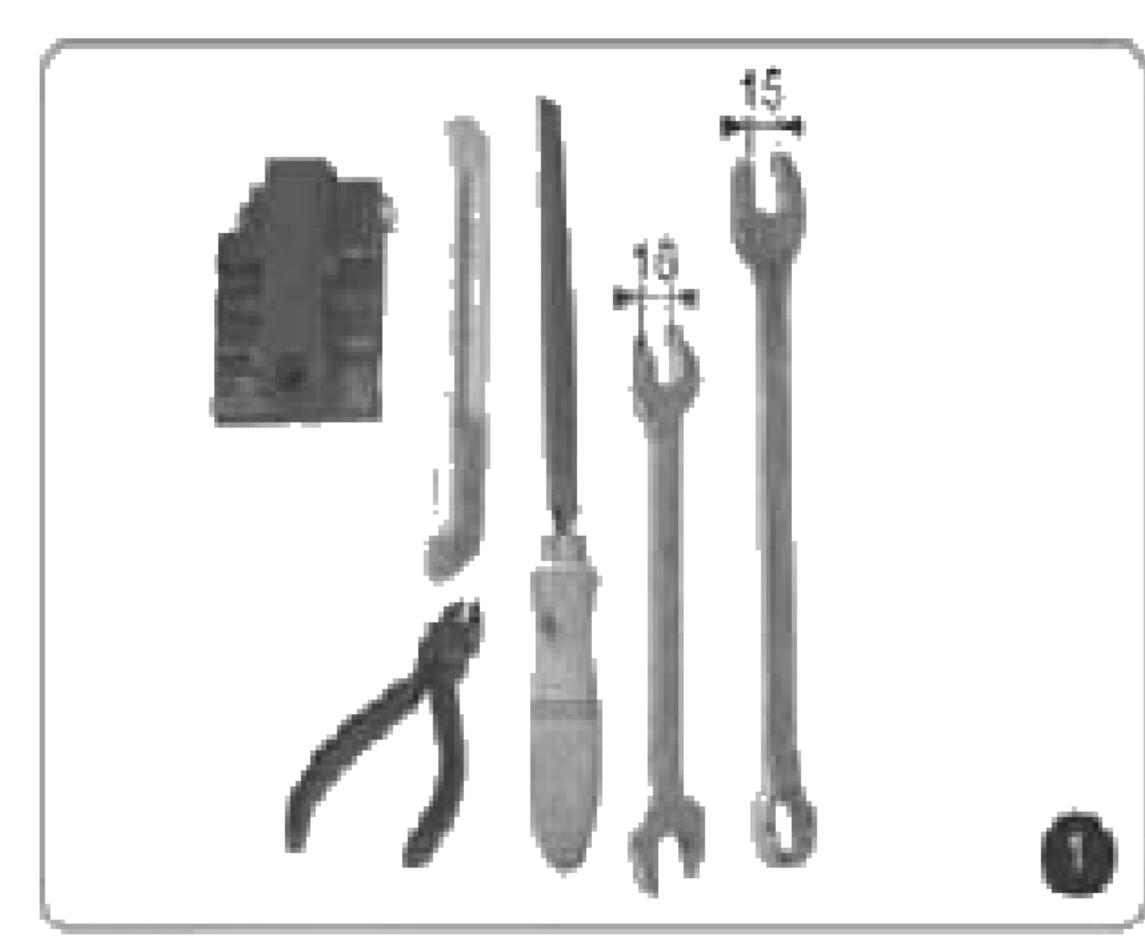
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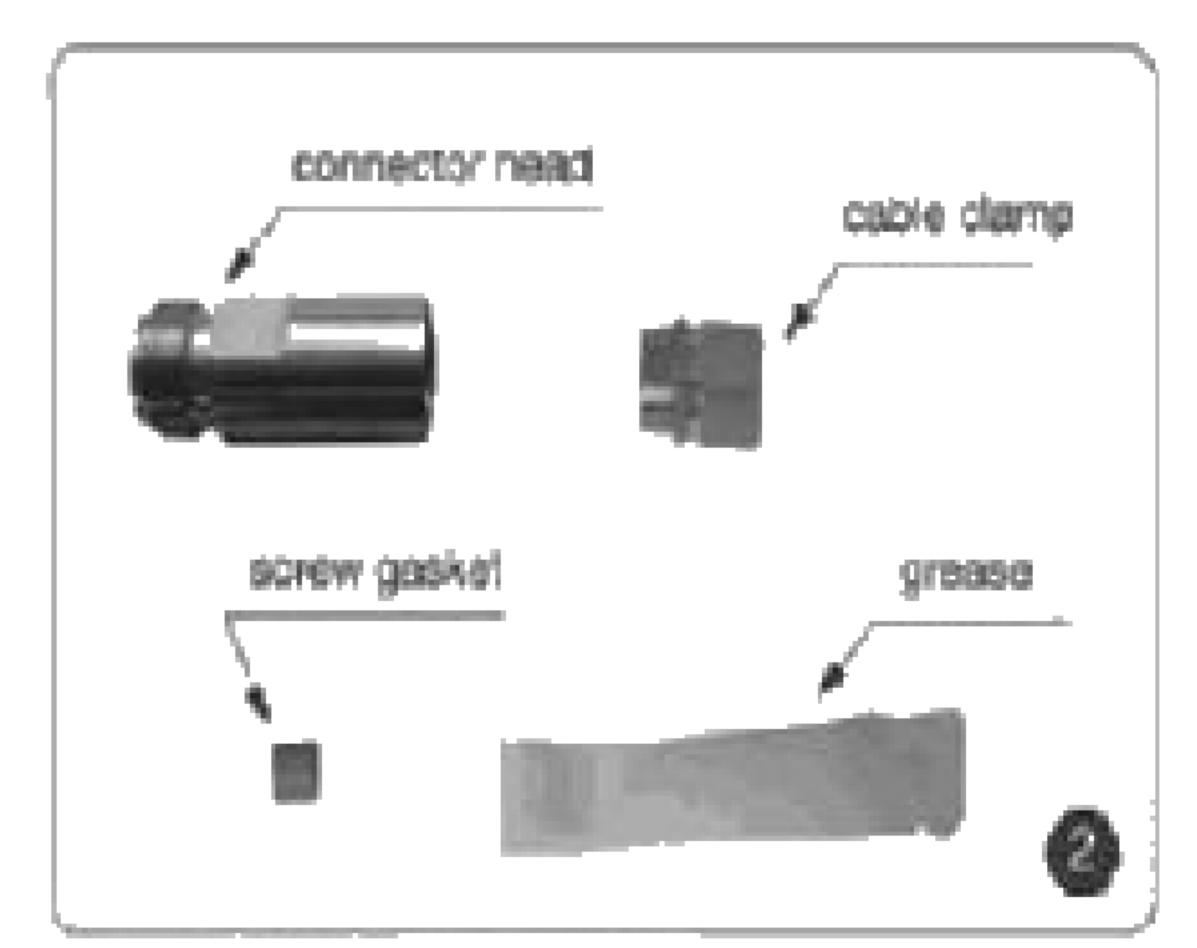
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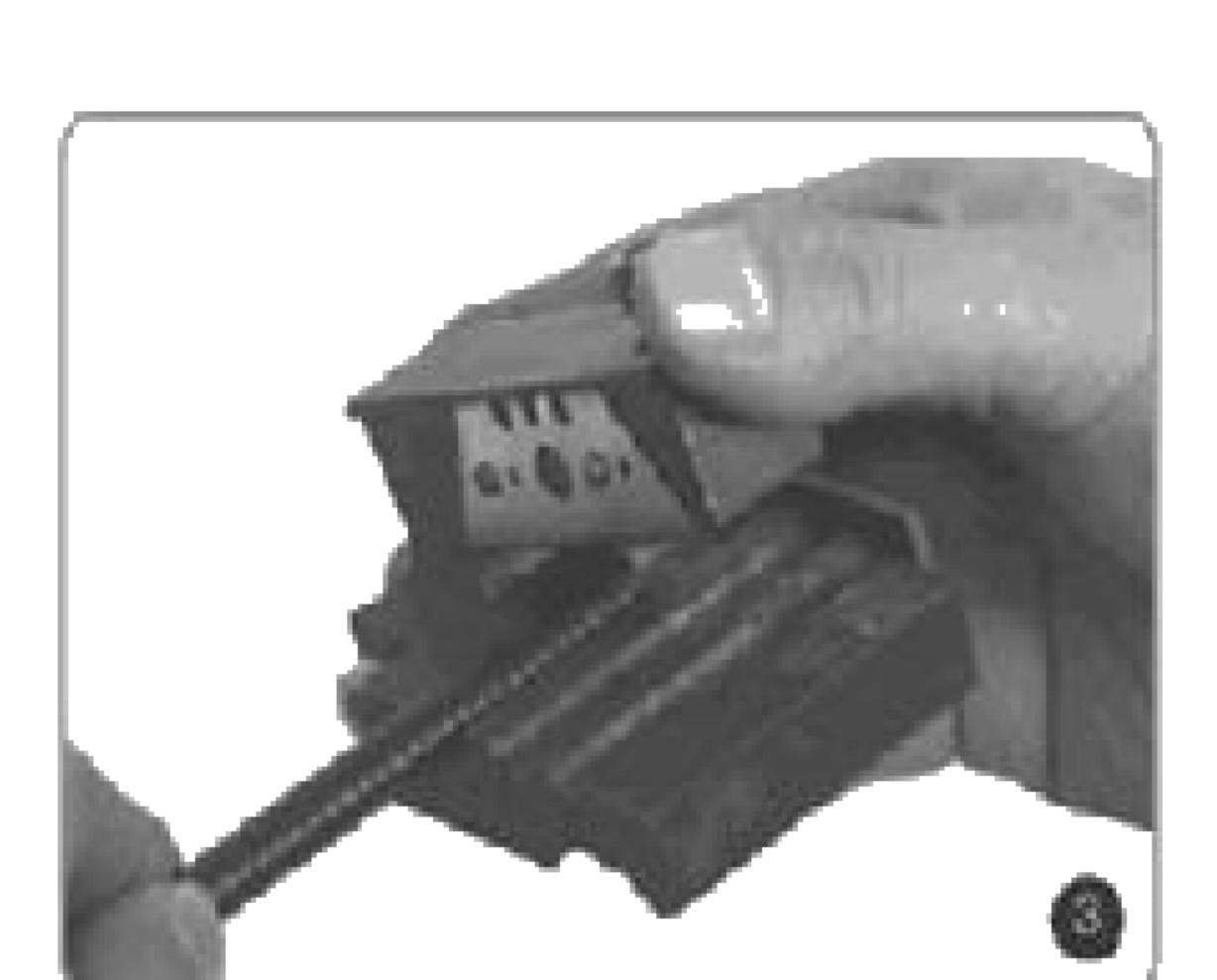
Assembly Instruction

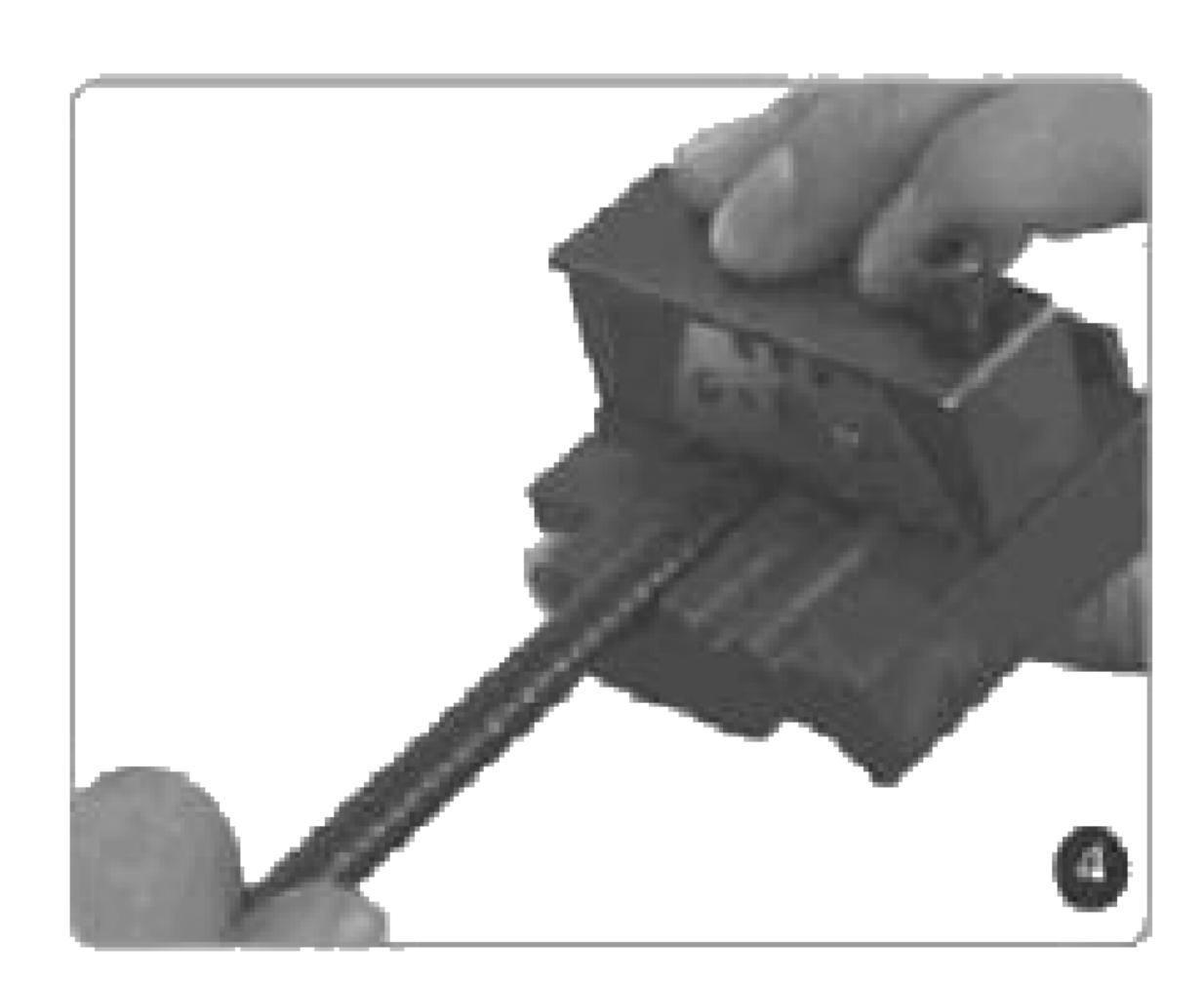


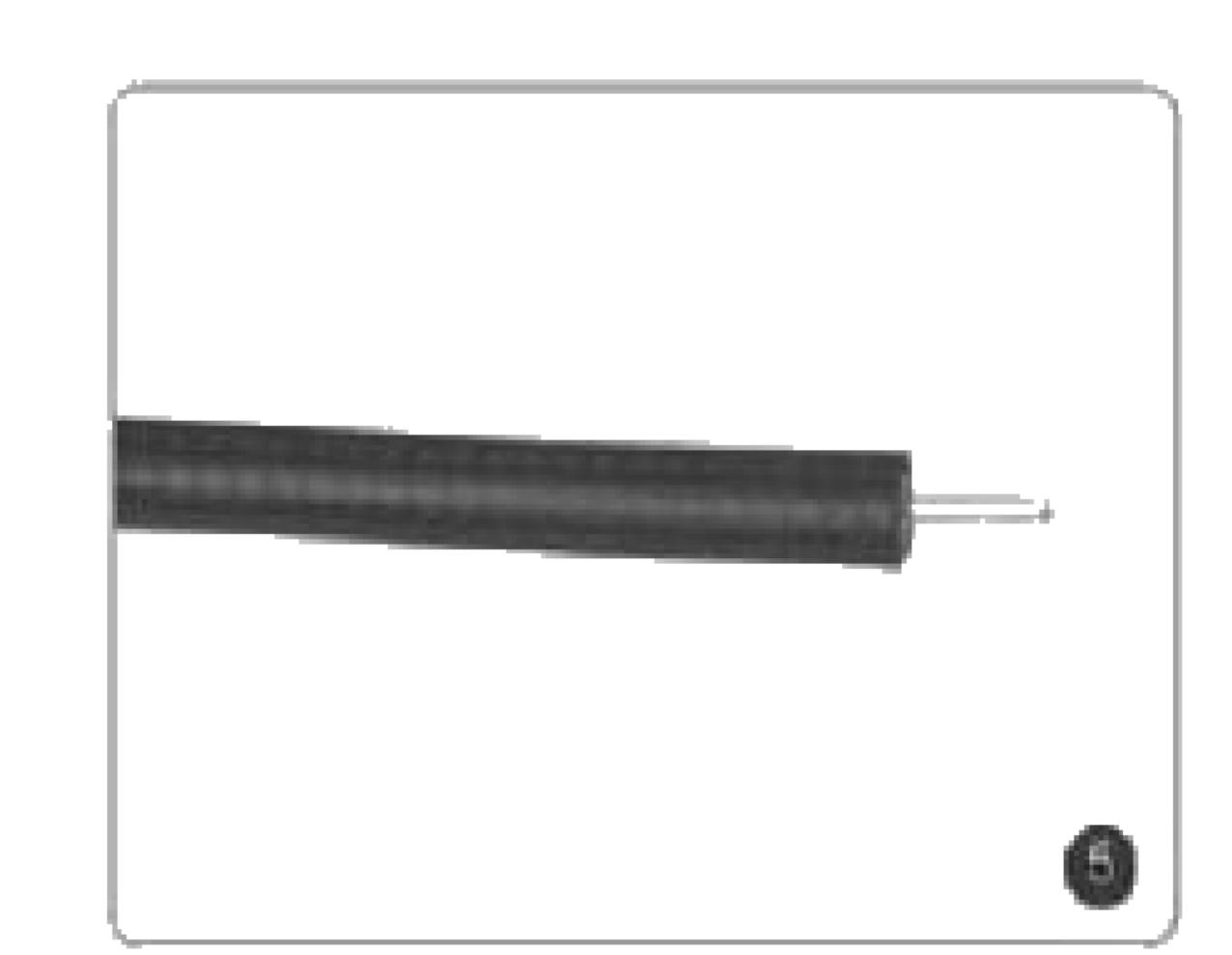
Assembly tools (recommended).

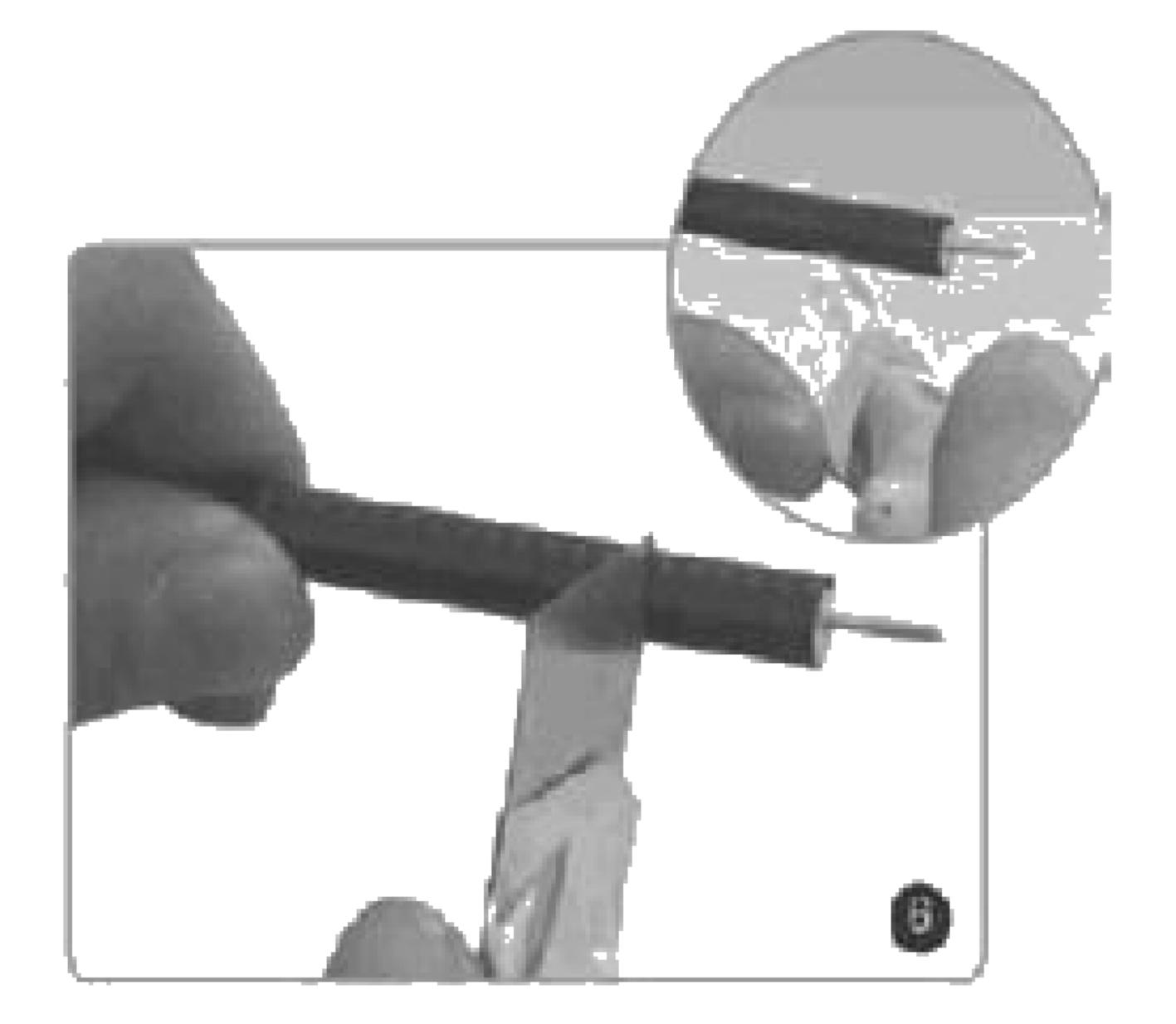


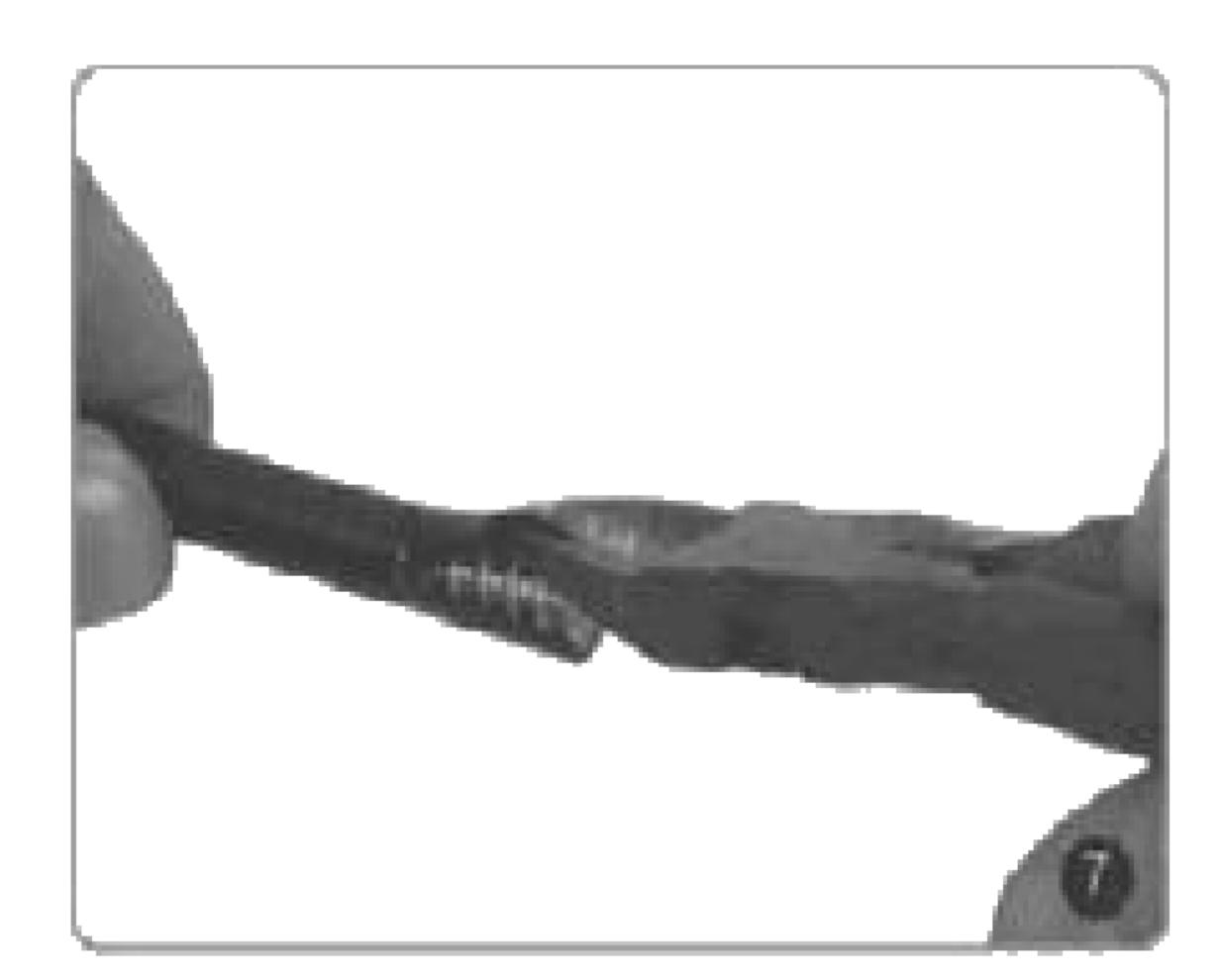
Connector Components.

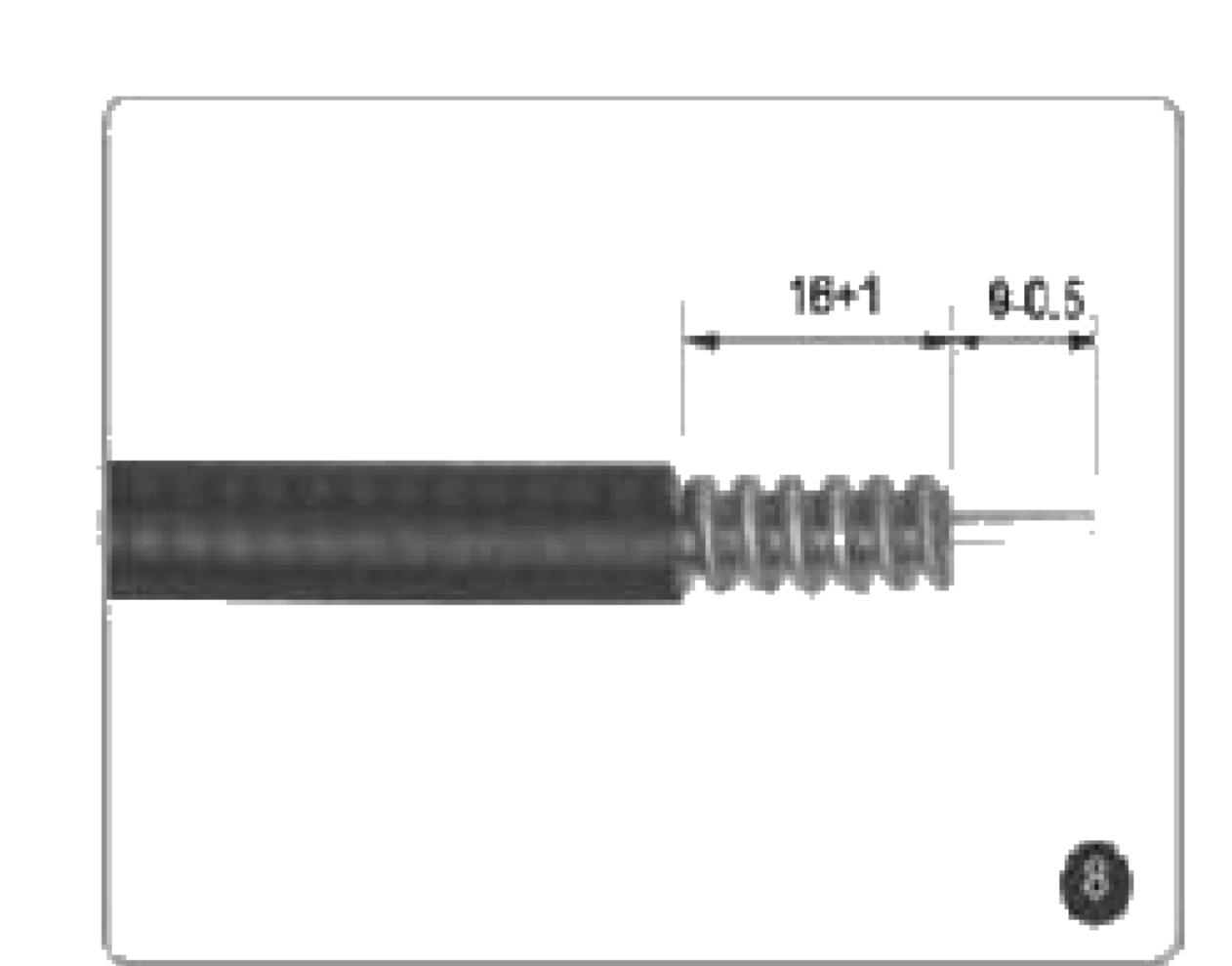


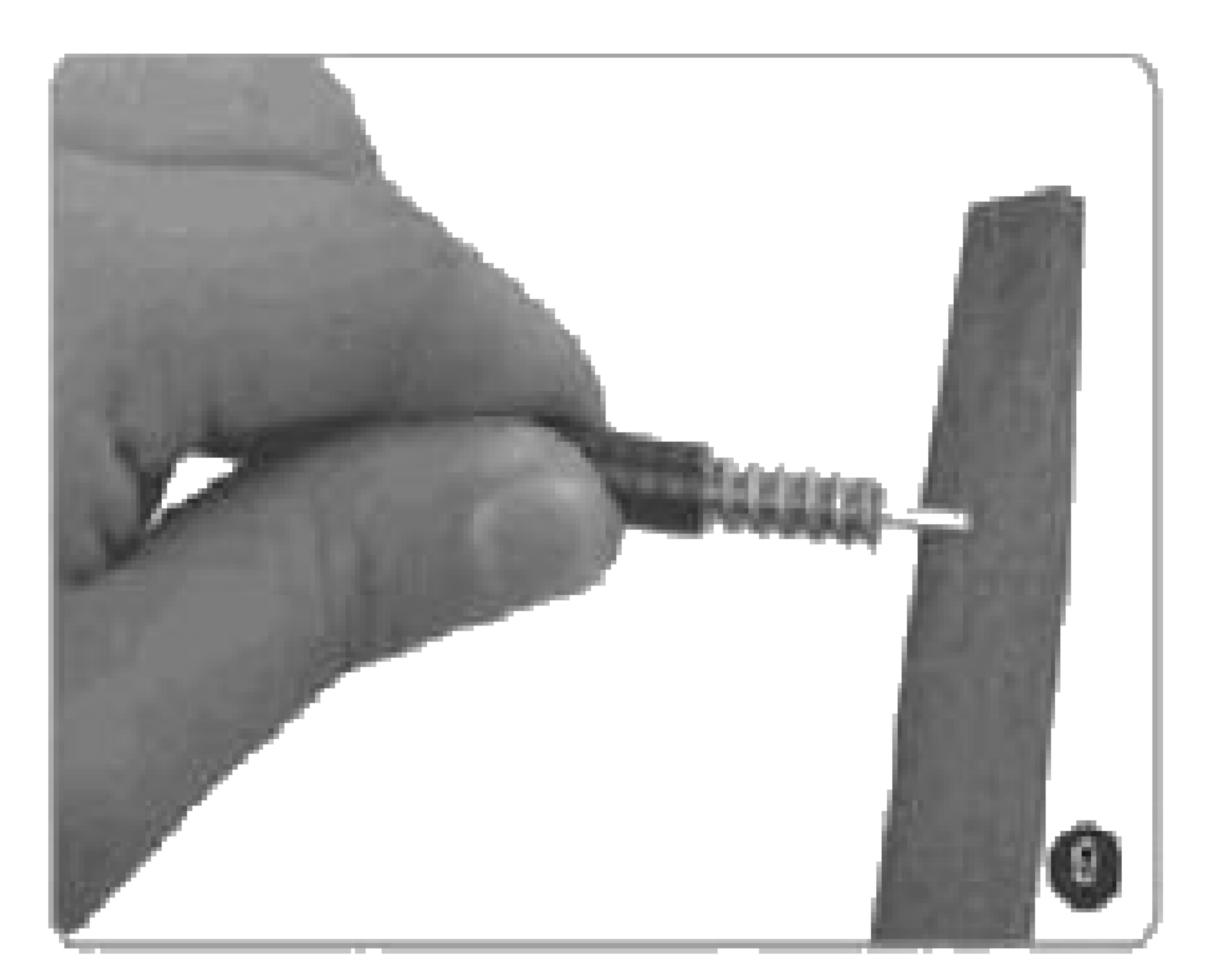




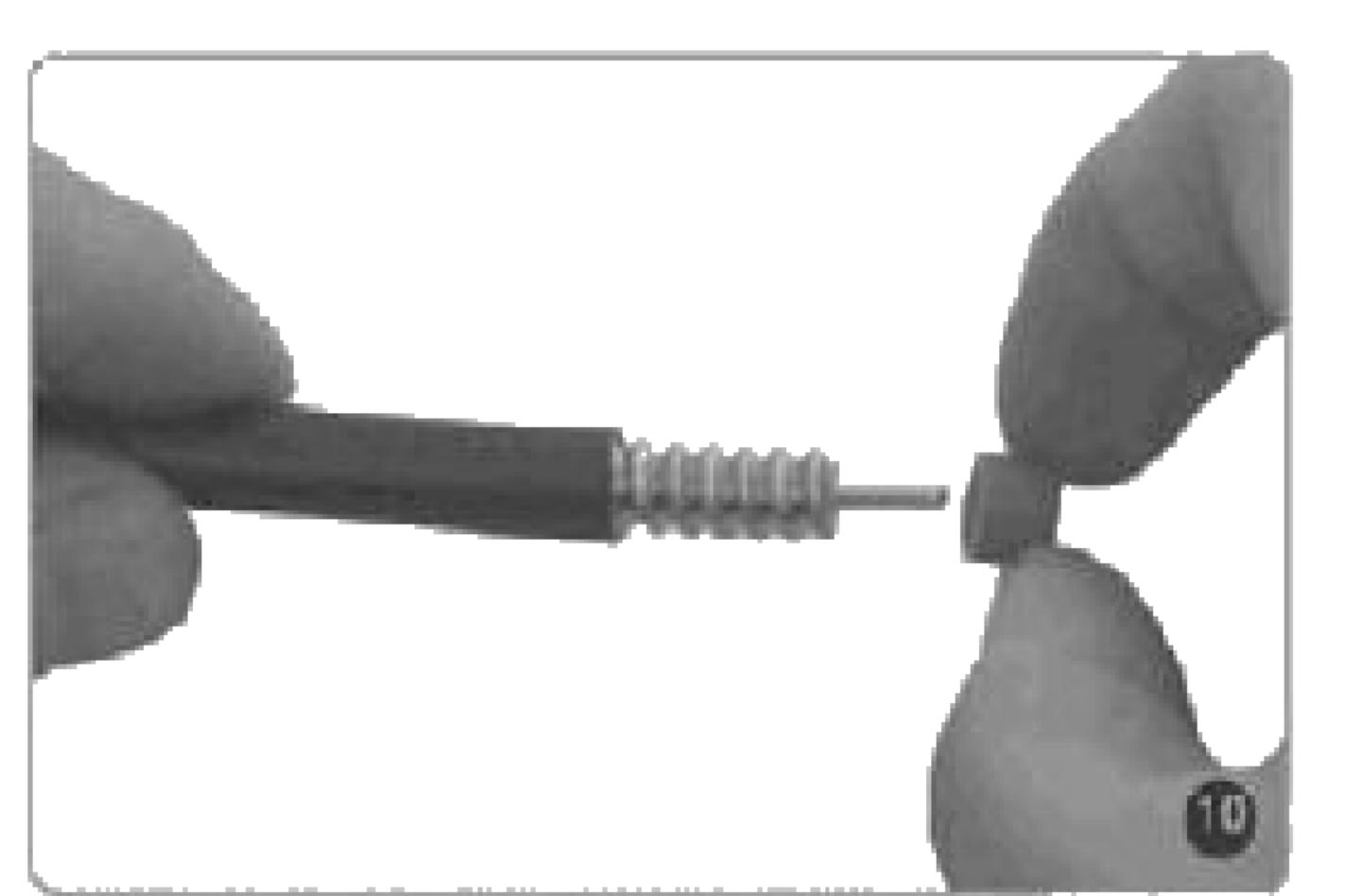




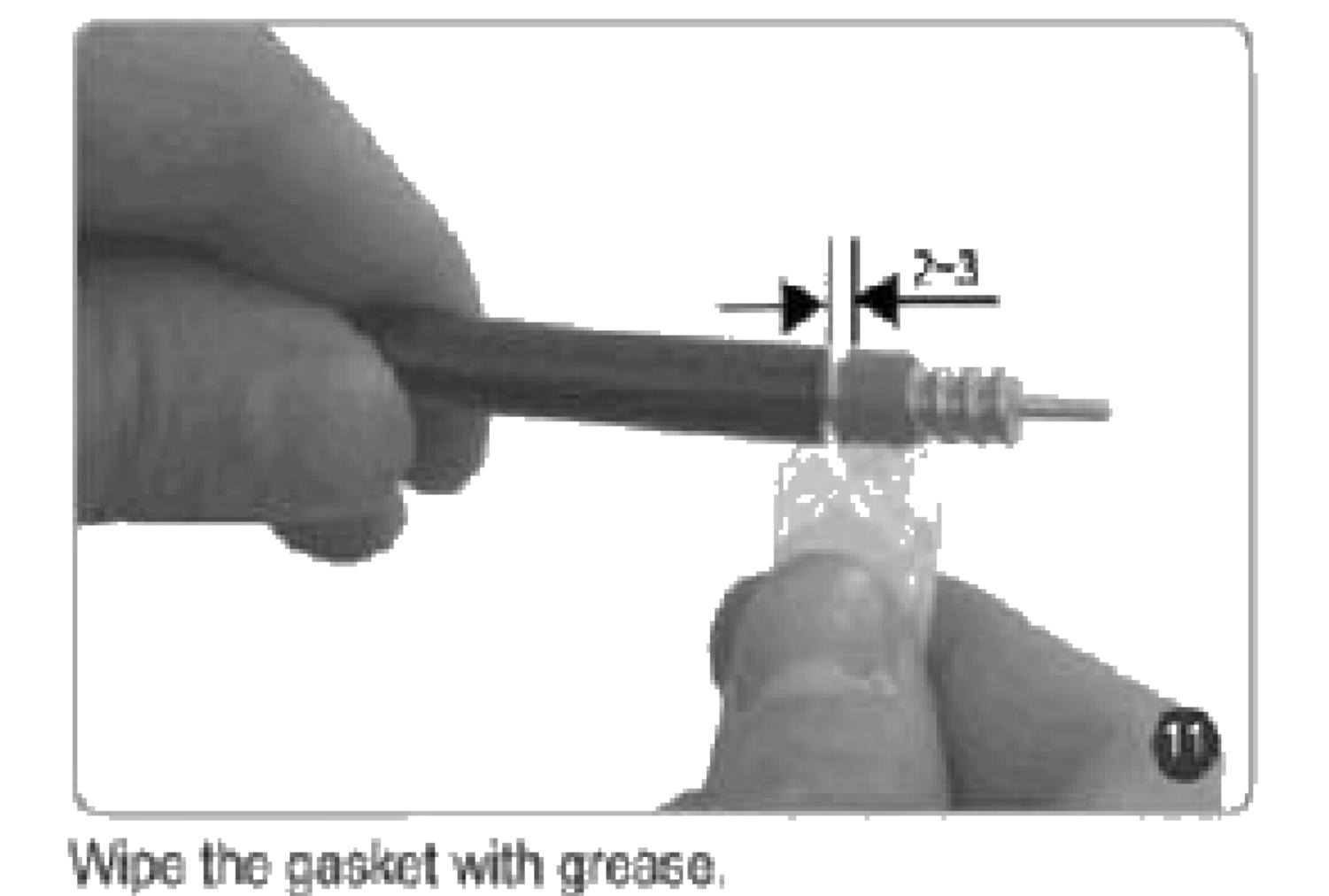




Chamfer inner conductor 0.5 × 45° with flat file.



Put the screw gasket onto the cable, pay attention to the correct direction of the screw gasket. The angle direction towards the front.



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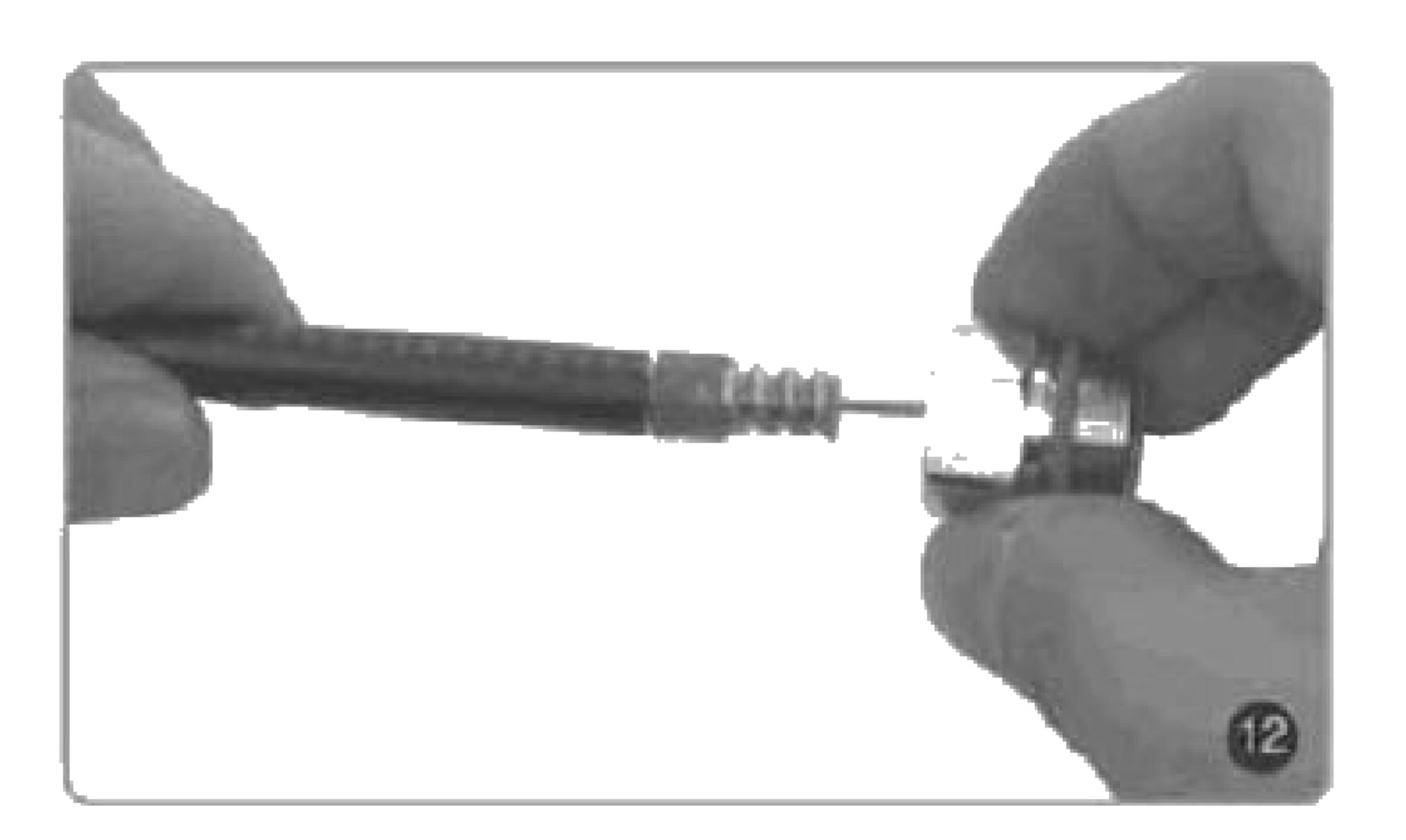


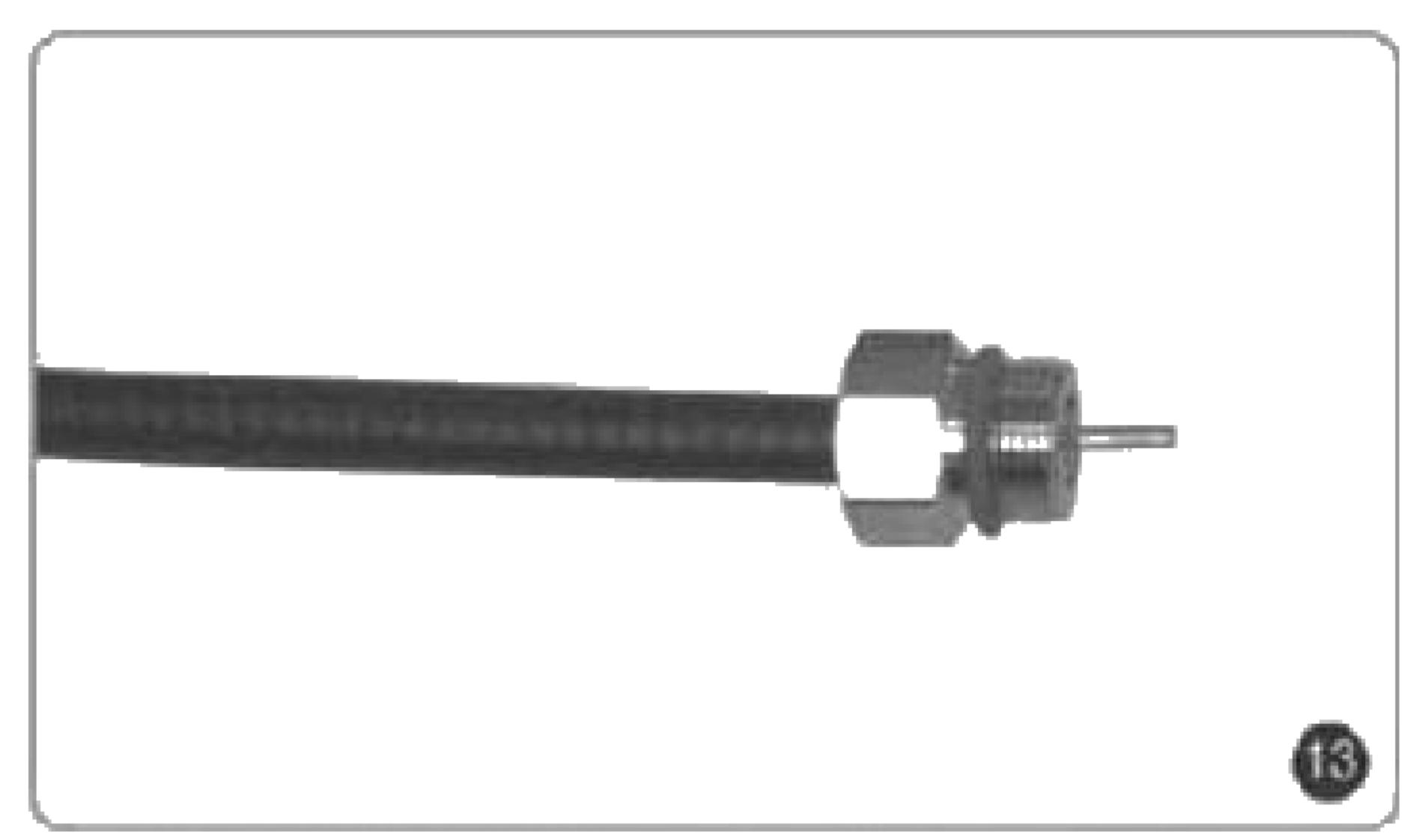
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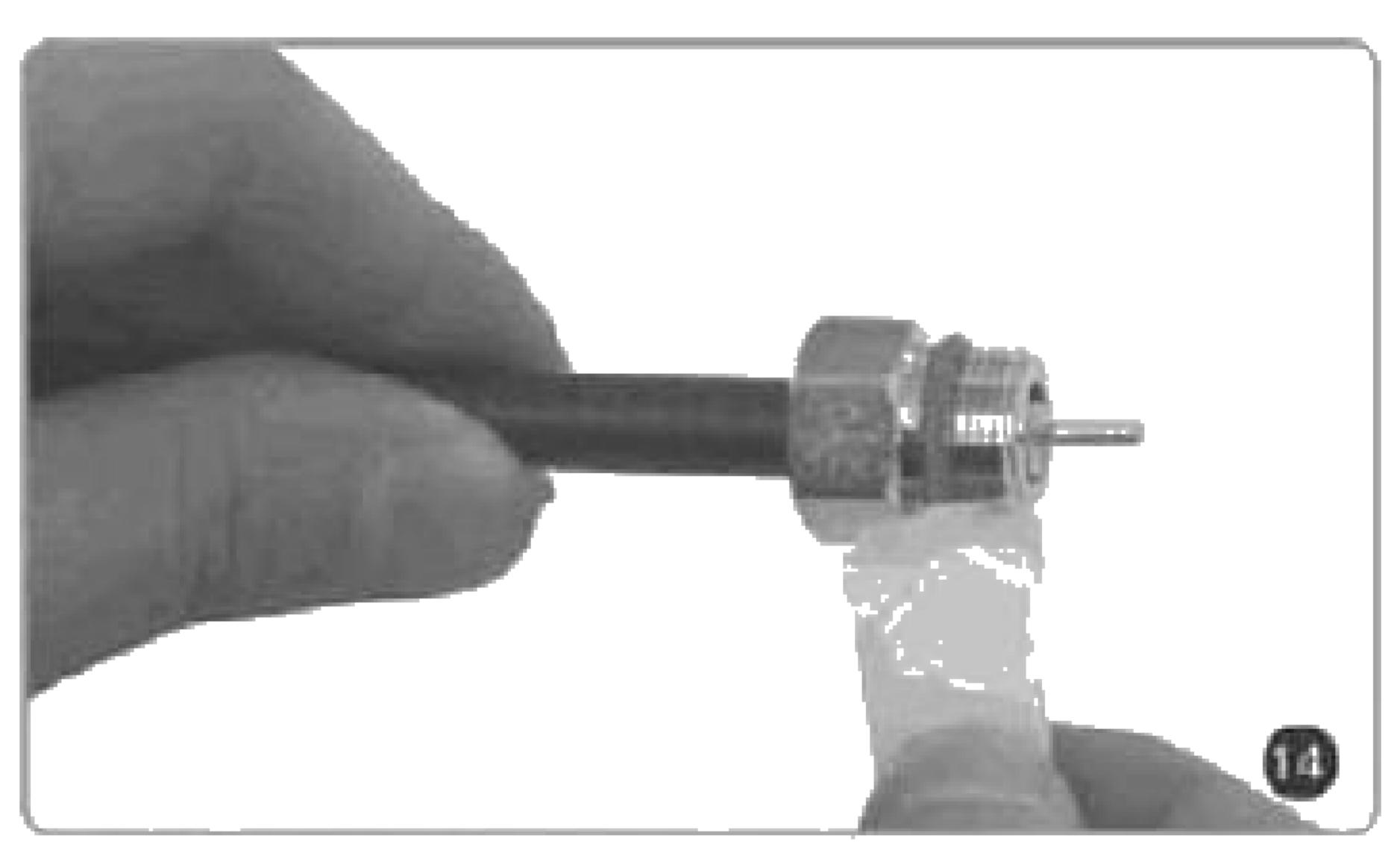
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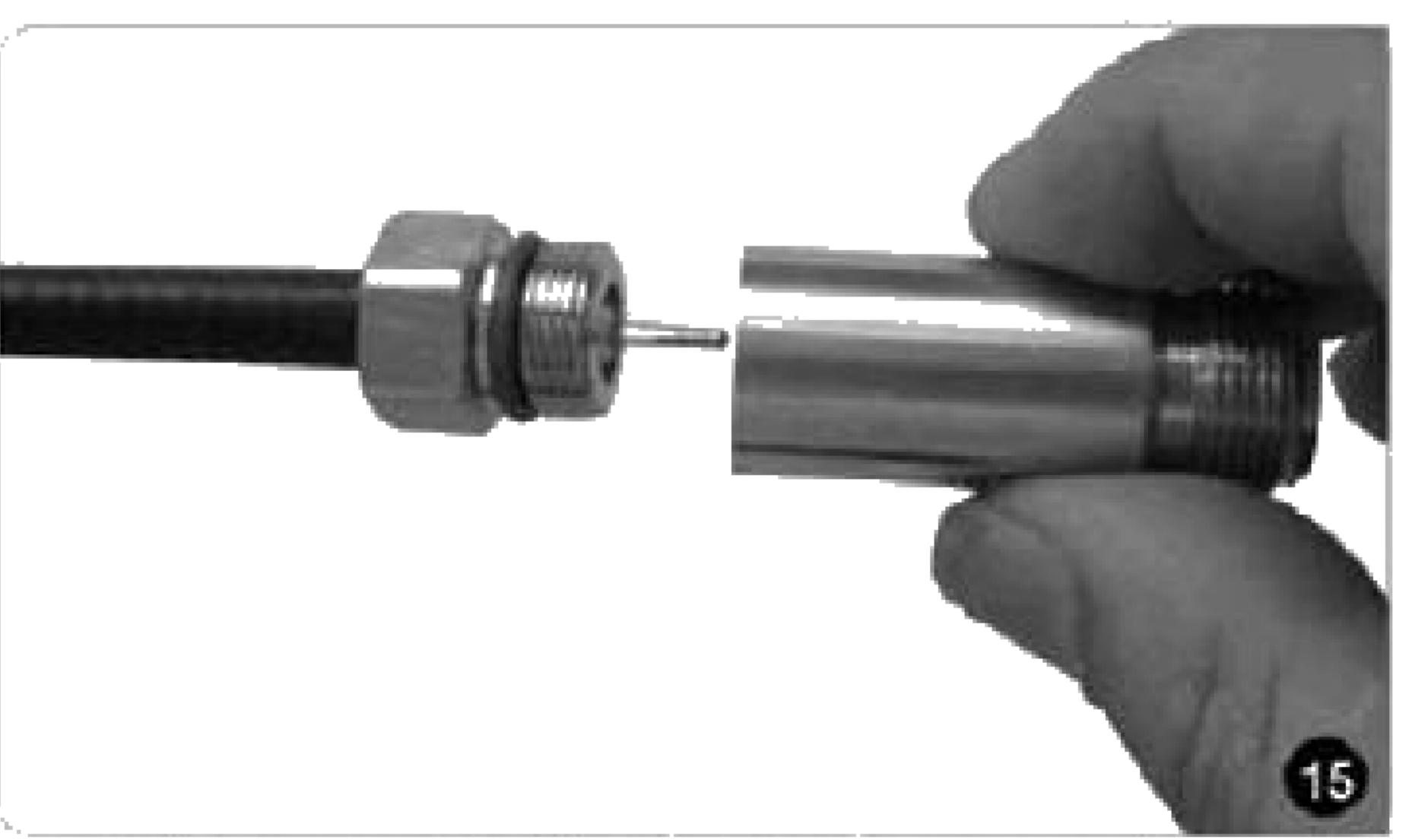




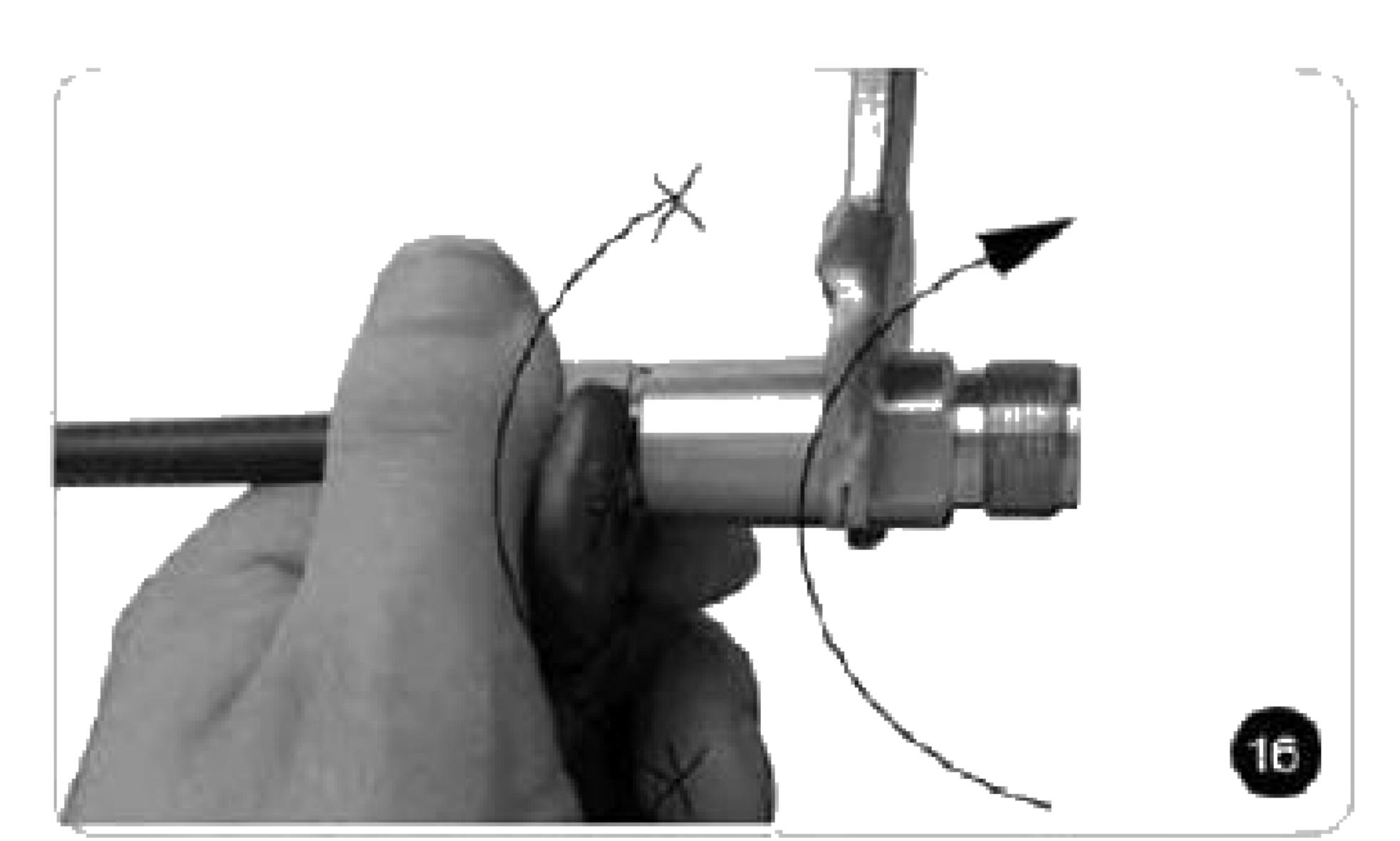
The front sawing edges of clamp and outer conductor should be flat.



Wipe the O-ring with grease.



screw the connector head onto the connector end.



Keep the clamp steady, screw the connector head onto the cable tightly. Recommended torque is 15 N·m.



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N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for 1/4 inch Superflexible, ET38339, IP67 Rated from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/n-female-low-pim-connector-clamp-non-solder-contact-attachment-for-1-4-inch-superflexible-pe-1-4sfhc-ip67-rated-0010946

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