Cable Gland Assembly

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Cable Gland Assembly for RJ-45 connector

⚠️ **NOTE**

The outside diameter value of the FTP Cat5e cable should not exceed 7 mm.

Assemble procedure (except Q5-18, Q6-18)

Required components are listed below.

1. Unshielded RJ-45 connector.
2. Shielded RJ-45 connector.
3. FTP Cat5e cable.
4. Cable gland:
   - Cable gland nut.
   - Split sealing grommet (with inner diameter 7 mm).
   - Cable gland threaded coupling.
5. Crimping tool for RJ-45 connector.

In order to ensure that the device case remains sealed under any environmental conditions follow the assemble procedure:

- **Step 1**: Assemble cable gland nut, the split sealing grommet and the cable gland threaded coupling onto the cable.
- **Step 2**: Crimp the standard RJ-45 connector onto the cable using crimping tool. Pin-out scheme: T568B wiring standard.

⚠️ **NOTE**

Do not use the shielded RJ-45 connector on this end of the cable as it should be attached on the power supply unit end.

🛑 **CAUTION**

Make sure that the RJ-45 connector is well-crimped. A loose connector can damage the device. Please note that such damage is not covered by the warranty.

- **Step 3**: Insert the split sealing grommet into the cable gland threaded coupling.
- **Step 4**: Insert the RJ-45 connector into the device socket until you hear a click.
- **Step 5**: Screw the cable gland threaded coupling into the port and tighten it. Do not apply excessive force.
- **Step 6**: Tighten the cable gland nut (4). Do not apply excessive force.

Assemble procedure for Q5-18, Q6-18

Required components are listed below.

1. Unshielded RJ-45 connector.
2. Shielded RJ-45 connector.
3. FTP Cat5e cable.
4. Cable gland:
   - Cable sealing nut.
   - Cable sealing grommet with rubber seal.
   - Cable gland case.
5. Crimping tool for RJ-45 connector.

In order to ensure that the device case remains sealed under any environmental conditions follow the assemble procedure:

⚠️

- **Step 1**: Insert the sealing insert into the clamping claw.
- **Step 2**: Assemble the cable gland by putting the thread-lock sealing nut, clamping claw with sealing insert and body onto the cable as shown on the figure.
- **Step 3**: Insert the clamping claw with sealing insert into the body as shown on the figure.
- **Step 4**: Crimp the standard RJ-45 connector onto the cable using crimping tool. Pin-out scheme: T568B wiring standards

> ⚠️ **NOTE**
>
> Do not use the shielded RJ-45 connector on this end of the cable as it should be attached on the power supply unit end.

> 🛇 **CAUTION**
>
> Make sure that the RJ-45 connector is well-crimped. A loose connector can damage the device. Please note that such damage is not covered by the warranty.

- **Step 5**: Insert the Rj-45 connector into the device socket until you hear a click.
- **Step 6**: Screw the cable gland body into the port and tighten it. Do not apply excessive force.
- **Step 7**: Tighten the thread-lock sealing nut. Do not apply excessive force.

Cable Gland Assembly for Optical Cable

Required components are listed below.

1. Optical cable.
2. Optical connector.
3. SFP module.
4. Cable gland:
   - Cable gland nut.
   - Split sealing grommet (with inner diameter 3.2 mm).
   - Cable gland threaded coupling.

Assemble procedure

- **Step 1**: Put the cable gland nut, the split sealing grommet and cable gland threaded coupling onto the optical cable.
- **Step 2**: Insert the split sealing grommet into the cable gland threaded coupling.
- **Step 3**: Set the SFP module into the socket until you hear a click.
- **Step 4**: Insert the optical connector into the SFP module.
- **Step 5**: Screw the cable gland threaded coupling into the port and tighten it.
- **Step 6**: Tighten the cable gland nut. Do not apply excessive force.

> ⚠️ **NOTE**
>
> In order to disassemble SFP, please disconnect the optical cable, pull the clip of the SFP module and withdraw the SFP module from the slot.

> ⚠️ **NOTE**
>
> SFP module is not included into the packing list.