SAFETY

IMPORTANT SAFETY INSTRUCTIONS. SAVE THIS INFORMATION.

Follow all safety and assembly instructions when installing IQ Field Wireable Connectors.

Safety Symbols	
⚠	**DANGER**: This indicates a hazardous situation, which if not avoided, will result in death or serious injury.
⚠	**WARNING**: This indicates a situation where failure to follow instructions may be a safety hazard or cause equipment malfunction. Use extreme caution and follow instructions carefully.
⚠	**WARNING**: Risk of burn. Failure to follow instructions may result in burn injury.
✓	**NOTE**: This indicates information particularly important for optimal system operation.

Safety Instructions	
⚠	**DANGER**: Risk of electric shock. Do not use Enphase equipment in a manner not specified by the manufacturer. Doing so may cause death or injury to persons, or damage to equipment.
⚠	**DANGER**: Risk of electric shock. Be aware that installation of this equipment includes risk of electric shock. Do not use without first removing AC power from the Enphase System. Disconnect the power coming from the photovoltaics before servicing or installing.
⚠	**DANGER**: Risk of electric shock. Risk of fire. Before making any connections verify that the circuit breakers are in the off position. Double check all wiring before applying power.
⚠	**DANGER**: Risk of electric shock. Risk of fire. Only use electrical system components approved for wet locations, including but not limited to conduit fittings.
⚠	**DANGER**: Risk of electric shock. Risk of fire. Only qualified personnel should install, troubleshoot, or replace the IQ Field Wireable Connector.
⚠	**DANGER**: Risk of electric shock. Improper use of the IQ Field Wireable Connector or its components may result in a shock, fire or explosion. To reduce these risks, disconnect all wiring before attempting any maintenance.
⚠	**DANGER**: Risk of electric shock. Risk of fire. Ensure that all AC and DC wiring is correct and that none of the AC wires are pinched, shorted, or damaged.
⚠	**DANGER**: Risk of electric shock. Risk of fire. Do not attempt to repair or alter the IQ Field Wireable Connector.
⚠	**DANGER**: Risk of electric shock. Risk of fire. Make sure the conductors are not damaged. If the exposed wires are damaged, the system may not function properly.
⚠	**WARNING**: Risk of equipment damage. Enphase male and female connectors must only be mated with the matching male/female connector.
⚠	**WARNING**: Risk of equipment damage. This product is intended for operation in an environment having a maximum ambient temperature of 85ºC.

Safety Instructions, continued	
⚠	**WARNING**: When installing the cabling, secure any loose cable to minimize tripping hazard
⚠	**WARNING**: Before installing or using the IQ Field Wireable Connector, read all instructions and cautionary markings in the technical description, on the Enphase System, and on the photovoltaic (PV) equipment.
✓	**NOTE**: Maintenance and cleaning must be performed by qualified personnel.
✓	**NOTE**: Using unapproved attachments or accessories may result in damage or injury.
✓	**NOTE**: When looping the IQ Cable, do not form loops smaller than 12 cm in diameter.
✓	**NOTE**: Perform all electrical installations in accordance with all applicable local electrical codes.
✓	**NOTE**: To ensure optimal reliability and to meet warranty requirements, install the IQ Field Wireable Connectors according to the instructions in this guide.
✓	**NOTE**: Protection against lightning and resulting voltage surge must be in accordance with local standards.
✓	**NOTE**: The connector is considered to be in compliance with UL 6703 only when assembled in the manner specified by these assembly instructions.
✓	**NOTE**: Cable used with IQ Field Wireable Connectors must meet the following requirements: • Min/max outer insulation diameter (including the clear second insulator): 3.75 mm/4.05 mm • Number of conductor strands/size: 49 strands of 0.25 mm • Wire size: 2.5 mm^2

Note for third-party products:
Any third-party manufacturer or importer product(s) used to install or commission Enphase product(s) shall comply with the applicable EU Directive(s) and requirements in the EEA (European Economic Area). It is the responsibility of the installer to confirm that all such products are labelled correctly and have the required compliant supporting documentation.

Compliance with EU Directives
This product complies with the following EU Directives and can be used in the European Union without any restrictions.
- Low Voltage Directive (LVD) 2014/35/EU
- Restriction of Hazardous Substances (RoHS) 2011/65/EU

The full text of the EU declaration of conformity (DoC) is available at https://enphase.com/en-gb/installers/resources/documentation.

Manufacturer:
Enphase Energy Inc.,
47281 Bayside Pkwy, Fremont, CA, 94538,
The United States of America, PH: +1 (707) 763-4784.

Importer:
Enphase Energy NL B.V.,
Het Zuiderkruis 65, 5215MV, 's-Hertogenbosch,
The Netherlands, PH: +31 73 3035859.

ENPHASE.

PREPARATION

Check that you have IQ Field Wireable Connectors as needed for your installation. Both female and male connectors are sold in packs of ten:
- IQ Field Wireable Connector (female): Q-CONN-R-10F
- IQ Field Wireable Connector (male): Q-CONN-R-10M

Make sure you have the following recommended tools:
- Diagonal cutter
- Wire stripper
- Crimp tool: Multi-Contact PV-CZM-18100, -19100, or -22100
- Torque wrench
- IQ Disconnect Tool

IQ Disconnect Tool

When to use IQ Field Wireable Connectors

Use IQ Field Wireable Connectors with IQ Cable:
- Easily connect IQ Cables on the roof without complex wiring
- Use female connectors to make connections from any IQ Cable open connector
- Make a jumper to connect with a remote part of the array: Use female-female for cable-to-cable connections
- Use a mated pair of connectors to splice two cut ends of cable

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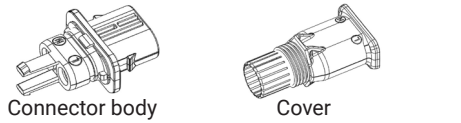
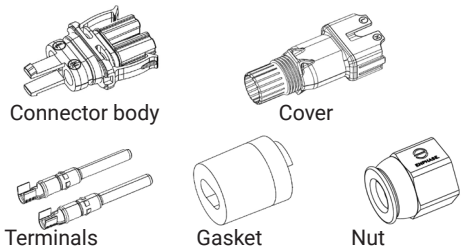
PARTS

FEMALE CONNECTOR PARTS



MALE CONNECTOR PARTS

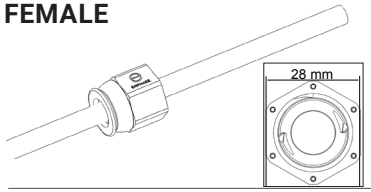
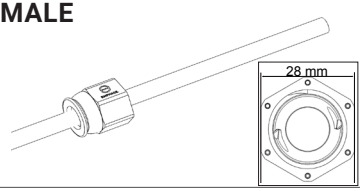
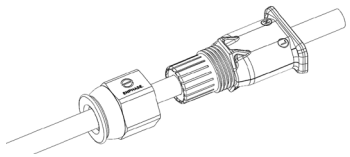
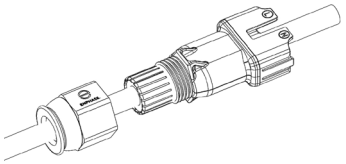
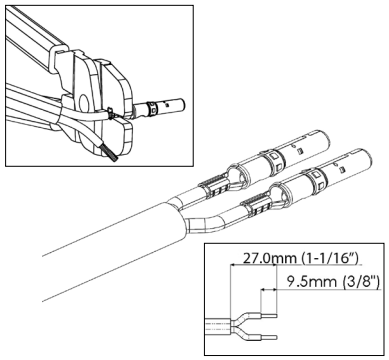
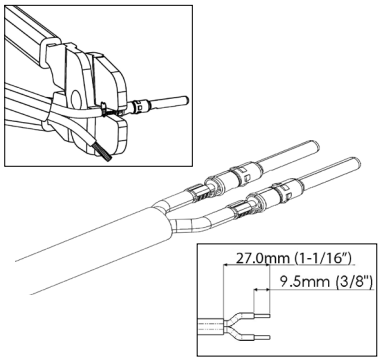
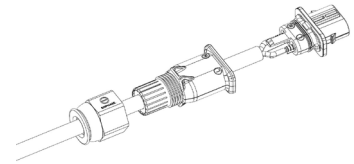
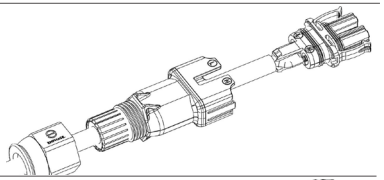
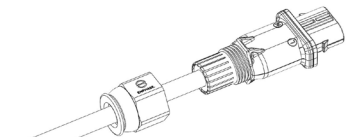
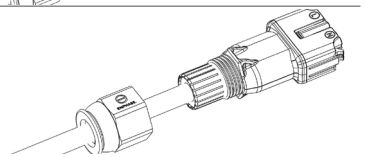
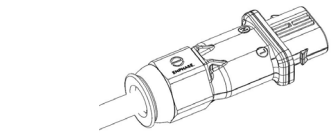
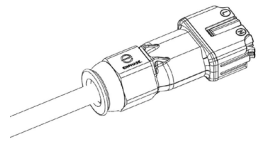


⚠ **WARNING**: Risk of equipment failure. Do not mix male and female connector parts when assembling connectors.

⚠ **WARNING**: Use the connectors only with IQ Cable.

ASSEMBLY

Follow the steps to assemble IQ Field Wireable Connectors.

FEMALE		MALE
	**A)** Take the connector parts out of the bag and do the following: • Use the nut to mark the cable at 28 mm in preparation for step C. The nut is 28 mm wide. • Slide the nut over the IQ Cable.	
	**B)** Make sure the gasket is pre-installed inside the cover, then slide the cover and gasket over the cable.	
	**C)** Attach the terminals to the cable as follows: • Strip 28 mm of the outer jacket. • Strip 9.5 mm of the conduct. • Load the open end of each terminal in the 12 gauge slot of the crimp tool, flush with the edge of the slot. ⚠ **WARNING**: The jacket must extend completely through the gasket when the body is assembled, and the gasket must fully cover the cable jacket to prevent moisture from entering the connector. • Crimp the end of the terminal over the stripped wires. • Do **NOT** crimp over conductor insulation.	
	**D)** Insert terminals into connector body, taking care to match polarity. Each terminal should click into place.	
	**E)** Assemble connector body and cover. Listen for a click as they engage.	
	**F)** Tighten the nut to 7 N m. Do not over-tighten.	

Enphase customer support: https://enphase.com/contact/support

Revision history

REVISION	DATE	DESCRIPTION
140-00112-02	June 2023	Updated the document for product names and editorial changes.