

Control communication cables compatible with IQ Battery 5P

Applicable countries

- Italy
- United Kingdom

Overview

This document provides information about Enphase-tested and qualified third-party control communication cables for use in various countries. For detailed information on cable installation, see the quick installation guide (QIG) specific to your country at the Enphase Documentation Center.



NOTE: Read the *IQ Battery 5P QIG* or *Communications Kit 2 QIG* before reading this document.

Enphase IQ Battery 5P uses a wired communication mechanism. It requires control cables of a specific length and performance for the optimal operation of the system. Enphase has extensively tested and qualified the control cables to ensure optimal performance. Control cables are recommended for each country based on compatibility, quality, availability for purchase, and so on. When installing IQ Battery 5P, only use the recommended cables.

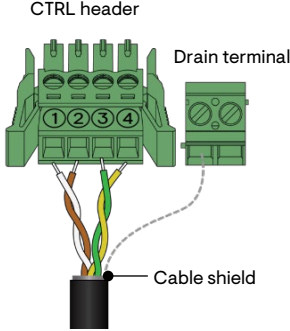
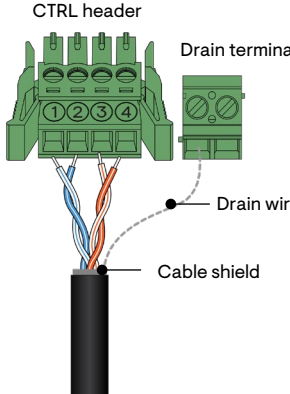
Connect the drain wire to the drain terminal only at one end of a CTRL(control) cable. Do not connect the drain wires at both ends of a CTRL cable.



NOTE: The total length of CTRL wiring across the system should not exceed 100 meters to ensure the system operates according to the specifications.

Recommended control cables

The following table lists Enphase Energy-tested control communication cables compatible with IQ Battery 5P.

Country	Manufacturer	Model	Control header terminal	CTRL signal	Wire color	Connection diagram
Italy	Lapp®	2170857	Screw terminal 1	CTRL low	White	
			Screw terminal 2	CTRL high	Brown	
			Screw terminal 3	CTRL ground	Green	
			Screw terminal 4	Not used	Yellow	
United Kingdom	Belcom cables	4302P2254-01	Screw terminal 1	CTRL low	White with blue stripe	
			Screw terminal 2	CTRL high	Blue with white stripe	
			Screw terminal 3	CTRL ground	White with orange stripe	
			Screw terminal 4	Not used	Orange with white stripe	

Revision history

Revision	Date	Description
TEN-00004-2.0	February 2024	Added “Italy” entries to the “Applicable countries” list and “Recommended control cables” sections.
TEN-00004-1.0	December 2023	Initial release.