



General Information

Kit Part Number:	2110844-2
Description:	12 AWG Female Minus Keyed Coupler and Male Neutral Keyed Coupler with Ground Bolt and Locking Collar Connector Accessory and Crimp Tool
Industry:	Alternative Energy
Application:	Approved for field termination, Connectivity Systems for PV Installers, Keyed Housing Provide Mating and System Safety, PV Cable, Solar
Family:	SOLARLOK
TE Brand:	TYCO ELECTRONICS Products
Solution:	Solar Energy
Product Type:	Wire-to-Wire Connectors
Number of Pieces:	74
RoHS:	Yes

Specifications

Current Rating:	25A
Tool Included:	Yes
Voltage Rating:	600V
Wire Gauge (AWG):	12

Product Highlights

The SOLARLOK male and female cable coupler was designed for high voltage and high current-carrying capacity in addition to the well established IP 67 sealing requirement in the photovoltaic industry. Mating safety is provided by polarity keyed housings, fully shrouded high cycle life contacts and a squeeze to release connection system. In addition fulfillment of worldwide standards for photovoltaic connection systems complement the robust product specification.

Features and Benefits

- Ground Bolt grounding solution
- Designed with a simple wire crimp, these latching connectors accommodate a wide range of wire sizes for a low applied cost
- Polarity keyed housing helps to prevent mismating
- UL approved
- The SOLARLOK hand crimping tool contains precision dies and ratcheting handles to help ensure repeatable crimp performance
- The SOLARLOK locking collar is required by NEC 2008, Article 690.33(c). A small flathead screwdriver is used to remove the collar from the mated connectors to achieve the required tooled extraction
- Current carrying capacity up to 25 Amps
- Operating temperature range of -40°C to 110°C
- UL and TÜV approved - UL File E 226440/TÜV 0000021303

Applications

- Approved for field termination
- Keyed housings provide mating and system safety
- Housing is rated for 50 mating cycles
- Accommodates 12 AWG PV cable



Bill of Materials

Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
CL3803-000	2	Solar Disconnect Label		Details	Search
CL3804-000	2	Warning Dual Power Sources Label		Details	Search
CL3805-000	2	Warning - Electric Shock Hazard		Details	Search
CL3806-000	2	DC Disconnect Label		Details	Search
1-1579004-2	1	CSV10 Crimping Tool	Datasheet	Details	Search
4-1394462-9	5	Female Minus Keyed Coupler	Datasheet	Details	Search
7-1394461-2	5	Male Neutral Keyed Coupler	Datasheet	Details	Search
2106207-1	5	Locking Collar Connector Accessory	Datasheet	Details	Search
2058729-1	50	Grounding Clamp	Datasheet	Details	Search

Recommended Tool

Part No.	Included in Kit
1-1579004-2	Yes





Alternative Energy Industry

Kit Part No. **2110844-2**

BILL OF MATERIALS

To re-order this kit, please visit www.productkits.com/kit/2110844-2

Kit Part No.	TE Part No.	Qty	Bin Location	Description
	1-157904-2	1	1	ESV30 Crimping Tool
	7-179881-2	8	2	Male metal ring connector
	4-179441-9	5	1	Female wire-to-wire coupler
SOL-02-304076-4-8-3	CL3805-909	2	4	Solar Disconnect Label
SOL-EP5-304019-4-8-5	CL3804-900	2	4	Warning - Fuel Power Source Label
SOL-EP4-304029-4-8-5	CL3805-980	2	4	Warning - Electric Shock Hazard
SOL-EP3-104028-4-8-3	CL3804-080	2	4	DC Disconnect Label
	2385207-1	5	5	Locking Tool for Connector Assembly
	2058729-1	50	6	Ground Bolt



Bin Diagram
Two rows by five bins

Additional kits available at www.productkits.com or contact a TE Connectivity authorized distributor

Assembled in Mexico. Components made in USA

WARNING - Electric Shock Hazard
DO NOT TOUCH TERMINALS
Terminals on both High and Low sides
may be energized in the Open Position.

Shock Hazard
Source
DC system



Alternative Energy Industry

TE connectivity Authorized Distributor

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SOLARLOK Photovoltaic Balance of System Products Connector Kit

12 AWG Female Minus Keyed Coupler and Male Neutral Keyed Coupler with Ground Bolt and Locking Collar Connector Accessory and Crimp Tool

- NEC 2008 Compliant
- Photovoltaic Module Installations
- IP 67 Sealing
- Fully Shrouded Silver Plated Contacts
- 25 Amps, 600 Volts

Additional kits available at: www.productkits.com

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DANGER: Failure to follow all instructions in Application Specification [14-38488-1] and [14-38305-3] (available at www.te.com/resources), including using only approved TE tooling (if applicable), can result in improper installation and/or crimping which is dangerous and may cause or contribute to electrical fires. Should be used only by individuals with proper training and experience.

74
pieces



Product from TE Connectivity.
Kits designed and assembled
by Waldom Electronics.