



INTRODUCING THE **MELNI** Direct Burial Splice Connector A SMARTER CRIMPLESS CONNECTOR

FASTER, EASIER, & SAFER!

A breakthrough innovation.

- The Melni Direct Burial & Submersible Splice connectors are a simple, smart alternative to bulky crimpers and expensive tools.
- The patented spiral-insert technology collapses around the conductor as end caps are tightened – no crimping needed!
- **No heat shrink tubing! No heat tools! No welding!**

Ease of use and efficiency.

- Leave the expensive tools at home – tighten as required to make a reliable electrical connection.
- Massive time savings on installation. The Melni Connector can be **INSTALLED IN LESS THAN 1 MINUTE!**
- **Reduce risk & increase safety** during installation
Safer to install than traditional splices!

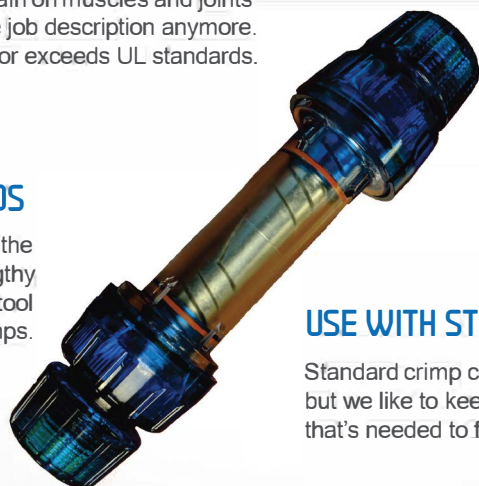
**REPLACE YOUR SPLICE CONNECTORS WITH A MELNI CONNECTOR FOR USE
IN MULTIPLE APPLICATIONS AND SAVE TIME & LABOR.**

UL RATED

Excessive force and strain on muscles and joints doesn't have to be part of the job description anymore. The Direct Burial Connector exceeds UL standards.

INSTALL IN SECONDS

Drastically cut time and labor with the Connector & reduce the traditionally lengthy process requiring multiple measurements, tool change outs, and crimps.



WATERPROOF CONNECTION

The Melni Connector is waterproof with sealing caps that compress a neoprene bushing around the cable.

USE WITH STANDARD WRENCHES

Standard crimp connectors require bulky, specialized crimpers, but we like to keep things simple – everyday wrenches are all that's needed to forge reliable electrical connections.

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AS SEEN ON
**SHARK
TANK**



Direct Burial & Submersible Splice Connector

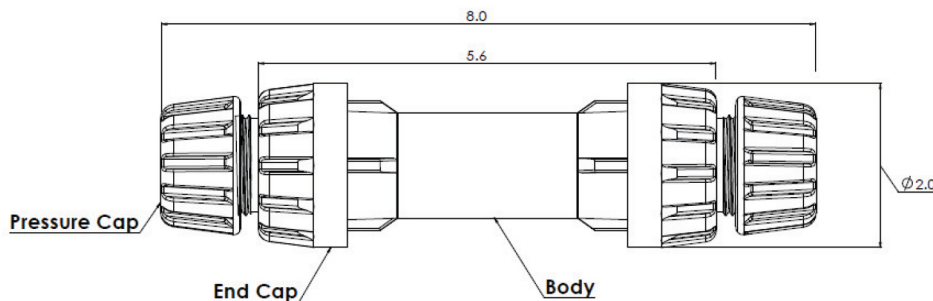
Connector Installation:

1. Insert stripped cable into Connector.
2. Twist the end caps to tighten the patented spiral insert.
3. Tighten the waterproof caps.

**For detailed instructions, refer to installation sheet*

TECHNICAL DATA

Direct Burial & Submersible Butt Splice Connector

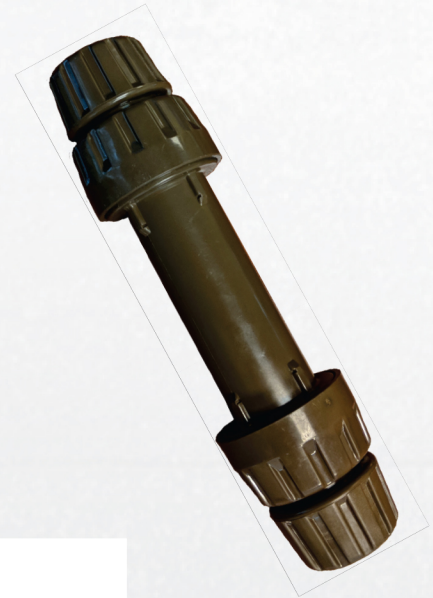


Size Range

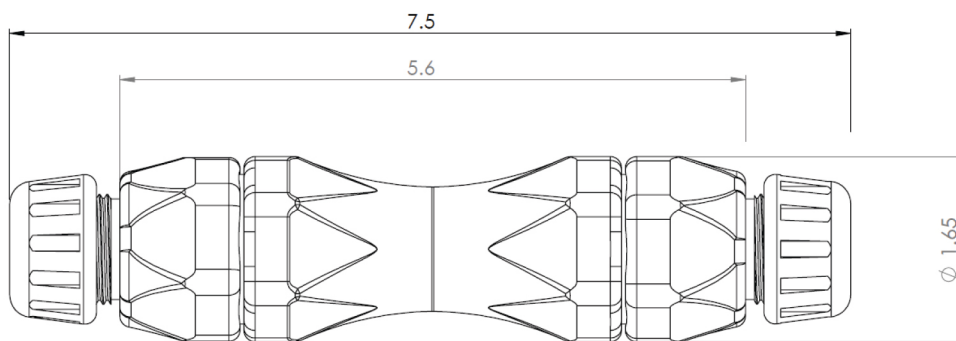
Connector: 1/0-2/0 AWG

Insulation: OD \leq 0.56"

SKU #: MC1200



Direct Burial & Submersible Butt Splice Connector



Size Range

Connector: #4 - #2 AWG

Insulation: OD \leq 0.45"

SKU #: MC2400

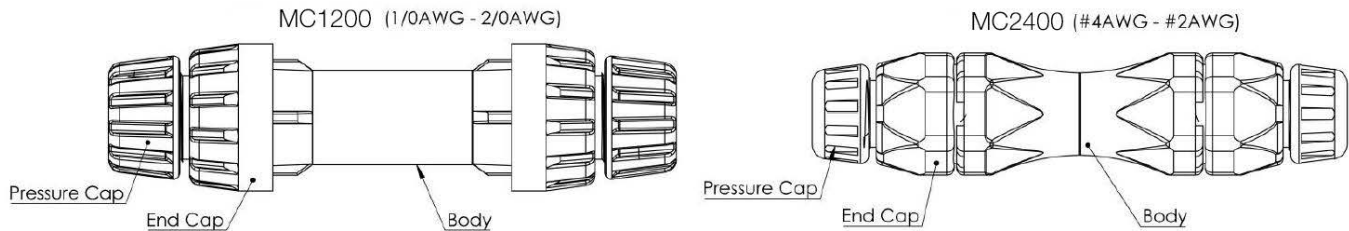


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"Quality that Connects"®

MELNI SUBMERSIBLE/DIRECT BURIAL CONNECTORS



INSTALLATION INSTRUCTIONS

- 1. DO NOT TWIST END CAPS UNTIL INSTRUCTED TO DO SO.**
- Conductor insulation must be approved for direct burial.
- Clean the conductor insulation near the area to be spliced. Wipe off any dirt, grease, water, oil, etc.
- Refer to the strip length on the installation chart located on the opposite side. Mark the conductor insulation at the proper strip location.
- Strip the conductor insulation up to the marked strip line, making sure not to damage the conductor cable.
- Remove any rust from the exposed conductor cable with a wire brush.
- Lubricate the exposed conductor cable with an oxide inhibitor.
- Remove the shrink wrap surrounding each end cap. **DO NOT TWIST THE END CAPS.**
- Pull out the red plugs from the pressure cap ends. Back off the **PRESSURE CAP** enough to allow the stripped conductor to enter the connector. If **PRESSURE CAP** is backed off to the point it is removed, re-install it by threading the cap on approximately ½ turns before inserting conductor. **DO NOT TWIST THE END CAPS.**
- Insert the prepared conductor into one end of the connector. A fully inserted conductor will stop automatically when the insulation butts up against a stop inside the end cap. (See note on Table 1)
- Gently turn the **BODY** of the connector to ensure the pre-injected dielectric gel inside the connector completely coats the conductor cable. **DO NOT TWIST THE END CAPS.**
- Repeat steps 3 thru 10 for the second conductor.
- To activate the connector, hold an **END CAP** in each hand and twist in opposite directions. Hand-tighten the connector.
- Once connector is hand-tightened use the proper Melni Torque Wrench adapter (MCSCC5S-IK02 uses 1.5" crows foot) and a calibrated torque wrench to tighten **END CAPS** to specified torque value listed on table 1 shown on page 2. Be sure to check torque on each **END CAP**. **DO NOT EXCEED THE SPECIFIED TORQUE VALUE.**
- Hand-tighten each **PRESSURE CAP** to seal the bushing to the conductor.
- The Melni MC Series Connector is now installed and ready for use.
Note: Any movement of the connector once installed should result in checking the secureness of the pressure caps.



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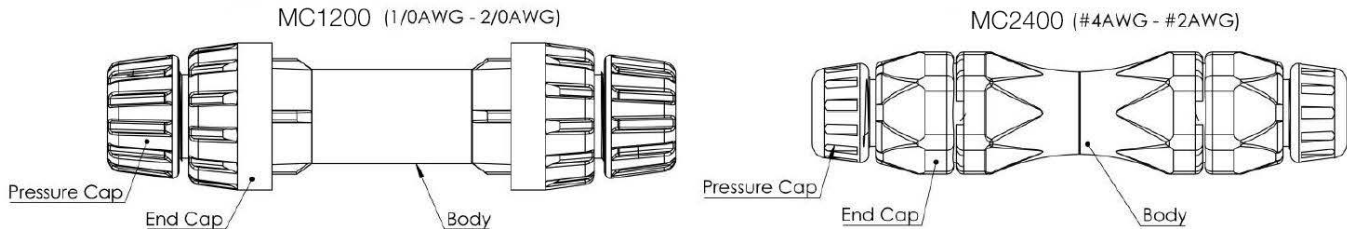


Table 1

Part Number	Wire Gauge Range	Strip Length (in)	End Cap Torque (Ft. Lbs.)	Pressure Cap Torque (Ft. Lbs./In. Lbs.)
MCSCC5S-MN02	2/0 AWG - 1/0 AWG	2.50	25	1.5 /18 (Hand Tight)
MCSCC5S-IK02	#2 AWG – #4 AWG	2.25	10	1.5 / 18 (Hand Tight)

Note: When connecting #4 AWG strip to proper length, once stripped mark the insulation 3.5" from the end. Insert conductor until the mark is lined up with the end of the Pressure Cap. This ensures the conductor is inserted to the correct depth.

- For stranded wire, Aluminum or Copper rated for 600 V maximum.
- The connector and insulation are rated for 90° C.
- The connectors are intended for Submersible/Direct Burial/Below Grade Applications

Parts List

Part	Material	Quantity
Pressure Cap	Ryton PPS	2
End Cap	Ryton PPS	2
Body	Ryton PPS	1
Bushing	High Temp. Silicone	2
O-Ring	High Temp. Silicone	4
Insert	6063 T6 Al.	1
Anti-Oxidant Compound	Noalox®	N/A

USPat#7794255-B2 issued 09-14-2010
USPat#7901233-B2 issued 03-08-2011
USPat#8066525-B2 issued 11-29-2011
USPat#8246370-B2 issued 08-21-2011
USPat#8771000-B2 issued 07-08-2014
USPat#9608346-B2 issued 03-28-2017

USPat#9614304-B2 issued 04-04-2017
USTM#87061829 issued 03-07-2017
Can Pat No. 2,779,248 issued 11-03-2014
Can Pat No. 2,715,398 issued 05-03-2016
European Pat#2255411 issued 07-01-2015