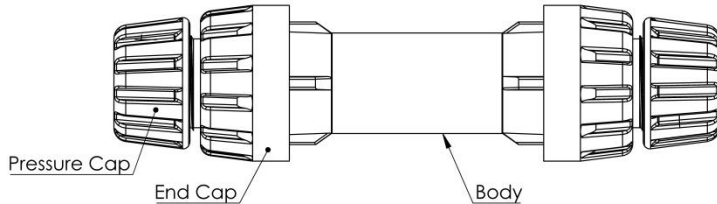




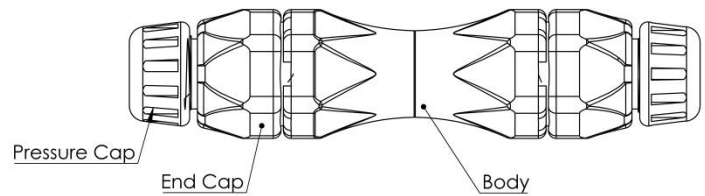
“Quality that Connects”®

MELNI SUBMERSIBLE/DIRECT BURIAL CONNECTORS

MCSCC5S-MN02 (1/0AWG - 2/0AWG)



MCSCC5S-IK02 (#4AWG - #2AWG)



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 oxidation 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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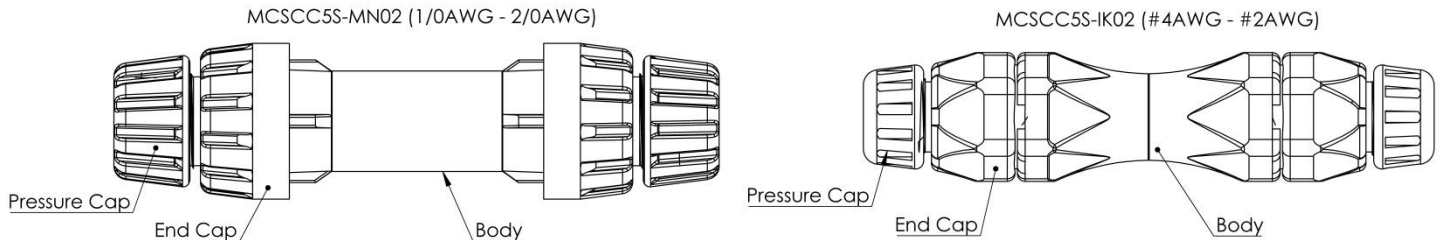


Table 1

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

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