

TECHNICAL DATA

CABLE CONNECTOR TYPE : TMC2
 INGRESS PROTECTION : IP66, NEMA 4X
 PROCESS CONTROL SYSTEM : BS EN ISO 9001

HAZARDOUS AREA CLASSIFICATION

ATEX CERTIFICATION No : SIRA 09ATEX1164X
 ATEX CERTIFICATION CODE : Ex II 2 GD Ex e IIC Gb / Ex ta IIIC Da
 IEC Ex CERTIFICATION No : IEC Ex SIR.09.0068X
 IEC Ex CERTIFICATION CODE : Ex e IIC Gb / Ex ta IIIC Da
 CSA-US CERTIFICATION No : 09.2194053X
 CSA-US CERTIFICATION CODE : Class I, Div 2 Groups A, B, C, D; Class II, Div 2, Groups E,F,G; Class III, Div 2; Endoxure type 4X; Ex e II, Class I Zone 1, AEx e II, AEx ta IIC

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

INSTALLATION GUIDANCE NOTES

- In accordance with NEC requirements, connectors with NPT and Metric entry threads are suitable for both Divisions and Zones.
- In accordance with CEC requirements, connectors with NPT threads are suitable for both Divisions and Zones. Connectors with Metric threads are only suitable for Zones unless fitted with an approved Metric to NPT thread conversion adaptor.

SPECIAL CONDITIONS FOR SAFE USE

- Entry component threads may need additional sealing to maintain the ingress protection rating as applicable to the associated equipment in which it will be attached
- The cable ranges shall only be used where the temperature, at the point of entry, is in the following ranges:
 TMC Types: -60°C to +110°C.

ACCESSORIES

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :-
 Locknut | Earth Tag | Serrated Washer | Entry Thread (I.P.) Sealing Washer | Shroud *

| Order Reference | | | Entry Thread | | Min Thread Length | Cable Armor Diameter | | Cable Jacket Diameter | | Across Flats | Across Corners | Nominal Assembly Length | Approx Weight Aluminium (Ozs) |
|-----------------|---------------|---------------|--------------|--------|-------------------|----------------------|------|-----------------------|------|--------------|----------------|-------------------------|-------------------------------|
| Aluminum | NP Brass | S. Steel | NPT | Option | | Min | Max | Min | Max | | | | |
| TMC2-050A075 | TMC2-050NB075 | TMC2-050SS075 | 1/2" | - | 0.78 | 0.42 | 0.63 | 0.50 | 0.75 | 1.20 | 1.30 | 1.65 | 2.29 |
| TMC2-075A075 | TMC2-075NB075 | TMC2-075SS075 | - | 3/4" | 0.80 | | | | | | | | |
| TMC2-050A099 | TMC2-050NB099 | TMC2-050SS099 | 1/2" | - | 0.78 | 0.60 | 0.89 | 0.69 | 0.99 | 1.48 | 1.60 | 1.97 | 3.00 |
| TMC2-075A099 | TMC2-075NB099 | TMC2-075SS099 | - | 3/4" | 0.80 | | | | | | | | |
| TMC2-075A118 | TMC2-075NB118 | TMC2-075SS118 | 3/4" | - | 0.79 | 0.79 | 1.10 | 0.87 | 1.18 | 1.81 | 1.95 | 2.13 | 5.11 |
| TMC2-100A118 | TMC2-100NB118 | TMC2-100SS118 | - | 1" | 0.98 | | | | | | | | |
| TMC2-100A137 | TMC2-100NB137 | TMC2-100SS137 | 1" | - | 0.98 | 0.94 | 1.28 | 1.02 | 1.37 | 2.05 | 2.21 | 2.34 | 6.70 |
| TMC2-125A137 | TMC2-125NB137 | TMC2-125SS137 | - | 1-1/4" | 1.00 | | | | | | | | |
| TMC2-125A162 | TMC2-125NB162 | TMC2-125SS162 | 1-1/4" | - | 1.00 | 1.22 | 1.50 | 1.30 | 1.62 | 2.36 | 2.55 | 2.44 | 8.82 |
| TMC2-150A162 | TMC2-150NB162 | TMC2-150SS162 | - | 1-1/2" | 1.06 | | | | | | | | |
| TMC2-125A190 | TMC2-125NB190 | TMC2-125SS190 | 1-1/4" | - | 1.03 | 1.49 | 1.72 | 1.57 | 1.90 | 2.56 | 2.79 | 2.44 | 9.45 |
| TMC2-150A190 | TMC2-150NB190 | TMC2-150SS190 | - | 1-1/2" | 1.06 | | | | | | | | |
| TMC2-150A200 | TMC2-150NB200 | TMC2-150SS200 | 1-1/2" | - | 1.06 | 1.57 | 1.88 | 1.65 | 2.00 | 2.75 | 2.97 | 2.60 | 11.06 |
| TMC2-200A200 | TMC2-200NB200 | TMC2-200SS200 | - | 2" | 1.57 | | | | | | | | |
| TMC2-150A233 | TMC2-150NB233 | TMC2-150SS233 | 1-1/2" | - | 1.06 | 1.79 | 2.21 | 1.91 | 2.33 | 2.95 | 3.19 | 2.64 | 12.77 |
| TMC2-200A233 | TMC2-200NB233 | TMC2-200SS233 | - | 2" | 1.57 | | | | | | | | |
| TMC2-200A272 | TMC2-200NB272 | TMC2-200SS272 | 2" | - | 1.57 | 2.14 | 2.61 | 2.27 | 2.72 | 3.54 | 3.82 | 2.76 | 24.69 |
| TMC2-250A272 | TMC2-250NB272 | TMC2-250SS272 | - | 2-1/2" | 1.57 | | | | | | | | |
| TMC2-300A325 | TMC2-300NB325 | TMC2-300SS325 | 3" | - | 1.63 | 2.49 | 2.97 | 2.62 | 3.25 | 4.33 | 4.68 | 3.46 | 42.68 |
| TMC2-350A325 | TMC2-350NB325 | TMC2-350SS325 | - | 3-1/2" | 1.68 | | | | | | | | |
| TMC2-350A376 | TMC2-350NB376 | TMC2-350SS376 | 3-1/2" | - | 1.68 | 2.95 | 3.54 | 3.16 | 3.76 | 4.84 | 5.23 | 3.68 | 53.44 |
| TMC2-400A376 | TMC2-400NB376 | TMC2-400SS376 | - | 4" | 1.73 | | | | | | | | |
| TMC2-400A425 | TMC2-400NB425 | TMC2-400SS425 | 4" | - | 1.73 | 3.52 | 3.94 | 3.70 | 4.25 | 5.23 | 5.65 | 3.89 | 59.19 |

All dimensions in inches

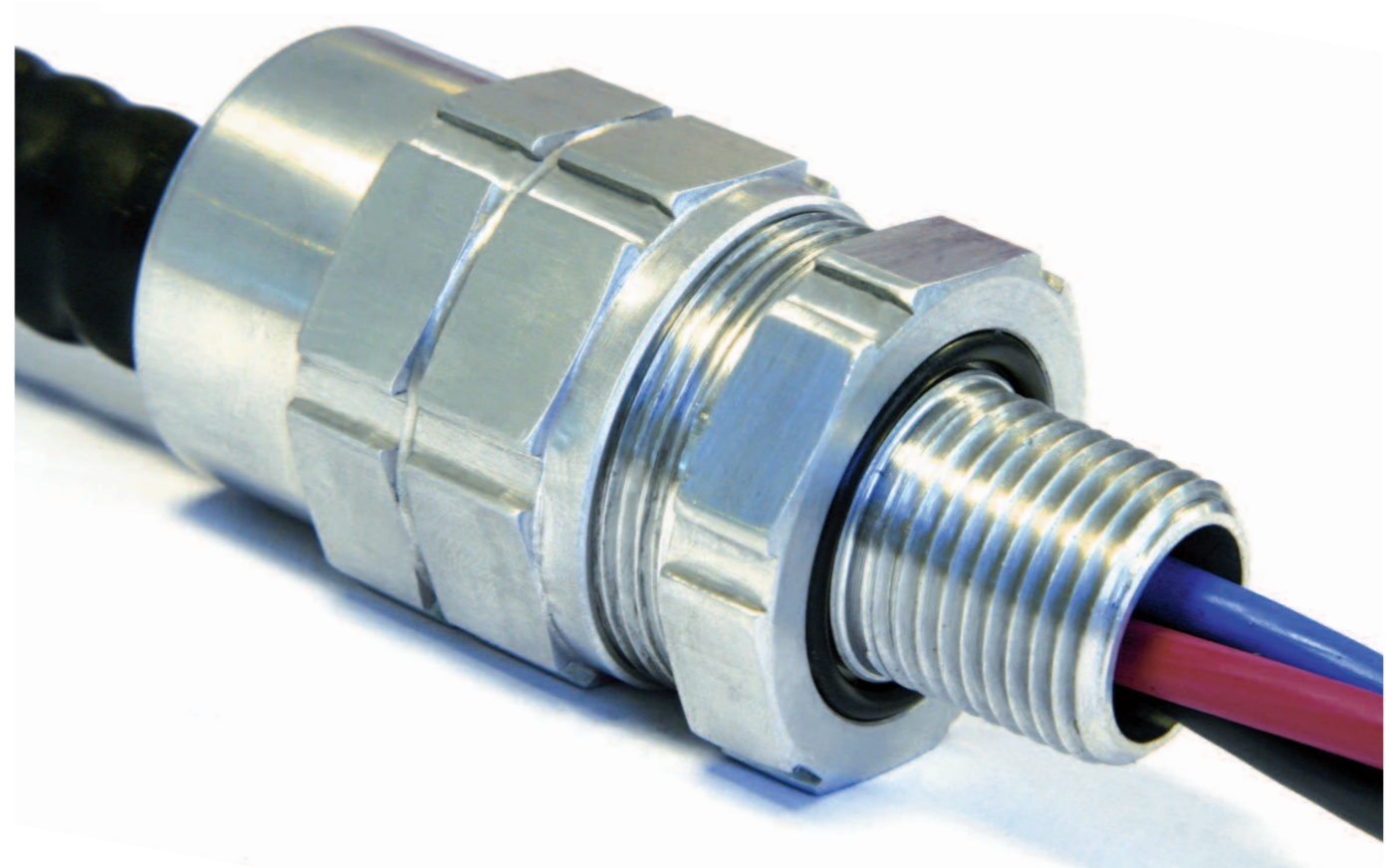
Cable Connector Selection Table

INSTALLATION INSTRUCTIONS FOR CABLE CONNECTOR TYPE TMC2

CMP TYPE TMC2 CABLE CONNECTOR FOR USE WITH INTERLOCKED & CORRUGATED CONTINUOUSLY WELDED METAL CLAD (TYPE MC OR MC-HL) OR TECK ARMORED AND ARMORED & JACKETED CABLES IN ORDINARY, WET & HAZARDOUS LOCATIONS.

INCORPORATING EC DECLARATION OF CONFORMITY TO DIRECTIVE 94/9/EC

CABLE CONNECTOR TYPE TMC2



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I, the undersigned, hereby declare that the equipment referred to herein conforms to 94/9/EC directive.

G. I. Mood

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CMP PRODUCTS

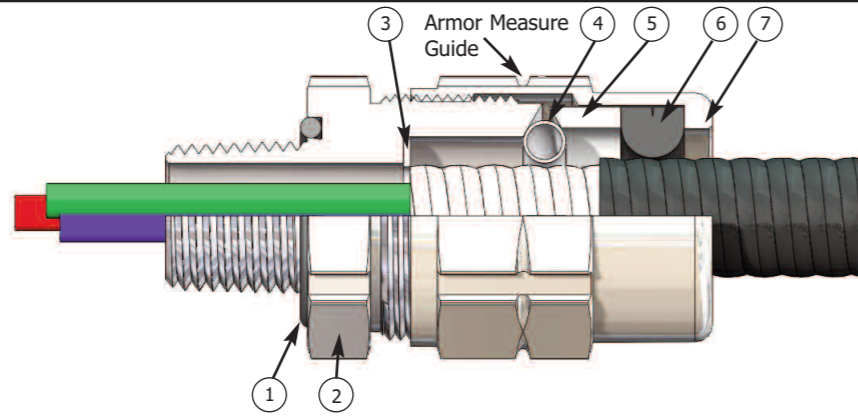


Logo's shown for illustration purposes only. Please check certification for details

INSTALLATION INSTRUCTIONS FOR CMP CABLE CONNECTOR TYPE TMC

CABLE CONNECTOR COMPONENTS

1. Face Seal
2. Entry Component
3. End Stop
4. Grounding Spring
5. Angled Spacer
6. Jacket Seal
7. Outer Nut



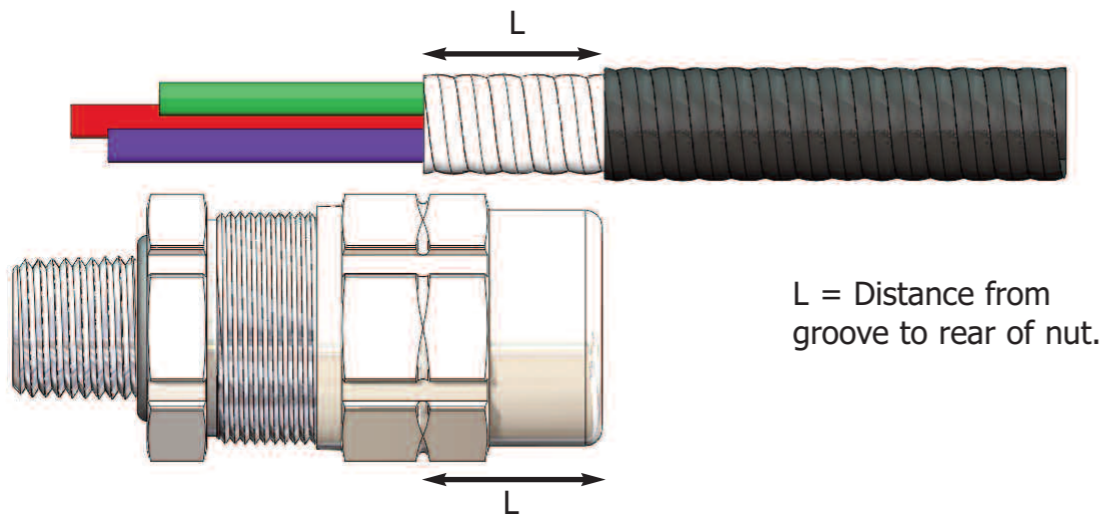
PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

1. Cable preparation.

Strip back the jacket and armor to suit the equipment geometry.



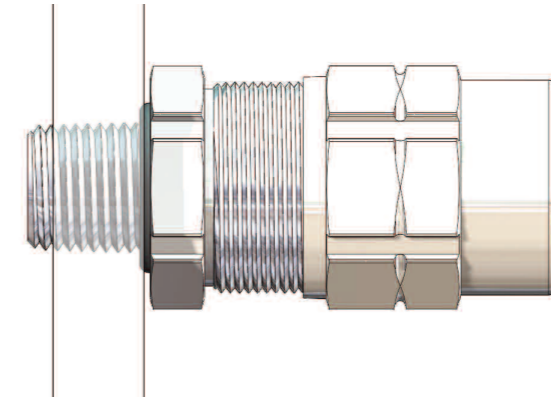
2. Using the armor measure guide, expose the armor by stripping back the cable jacket by distance "L".



L = Distance from groove to rear of nut.

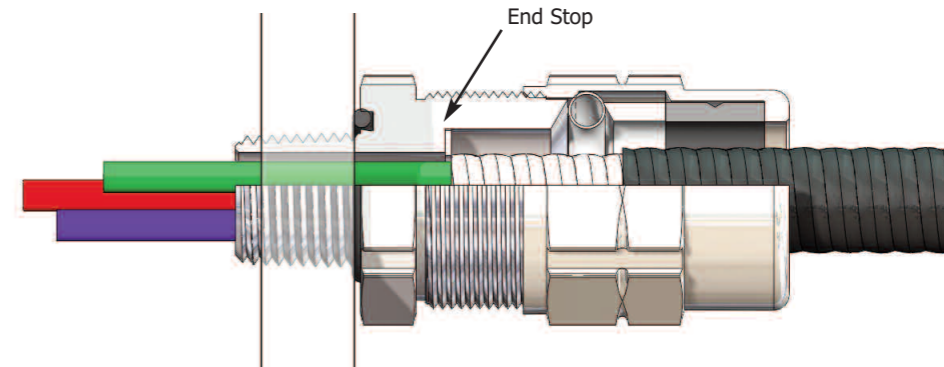
3. Screw the connector into the equipment, or if it is fitted into a clearance hole, secure with a locknut.

Loosen the outer nut to ensure that the Grounding Spring (4) and the Jacket Seal (6) are in a relaxed state. IT IS NOT NECESSARY TO SEPERATE THE CONNECTOR COMPONENTS.



4. Pass the cable through the connector until the armor makes contact with the end stop.

If it is not possible for the conductors to pass through the end stop then it should be removed so that the armor can make contact with the integral end stop within the entry component.



5. Finally, tighten the Outer Nut (7) to compress the Grounding Spring (4) to secure the armor, and also to compress the Jacket Seal (6) onto the cable jacket. Do not over-tighten. The Entry Component (2) and the Outer Nut (7) do not have to close face to face.

THIS COMPLETES THE TERMINATION

