

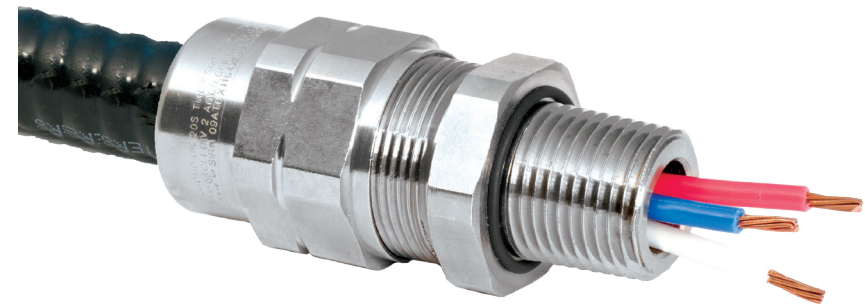


# INSTALLATION INSTRUCTIONS FOR CMP CABLE CONNECTOR TYPE TMC2

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 2014/34/EU

## CABLE GLAND / CONNECTOR TYPE TMC2



CMP Document No. F1410 CSA Issue 6 09/14, IEC Issue 6 09/14



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

### TECHNICAL DATA

CABLE CONNECTOR TYPE : TMC2  
 INGRESS PROTECTION : IP66, NEMA 4X  
 PROCESS CONTROL SYSTEM : BS EN ISO 9001  
 : ISO/IEC 80079-34:2011

### EXPLOSIVE ATMOSPHERES CLASSIFICATION

ATEX CERTIFICATION No : SIRA 09ATEX1164X  
 ATEX CERTIFICATION CODE : Ex II 2 GD Ex e IIC Gb / Ex ta IIIC Da  
 IECEx CERTIFICATION No : IECEx SIR.09.0068X  
 IECEx 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; Endocrine 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

Order Reference (NPT)			Entry Thread "C"		Minimum Thread Length "E"	Cable Armor Diameter "A"				Across Flats	Across Corners	Nominal Assembly Length "F"	Approx Weight Aluminum (Ozs)
Aluminum	Nickel Plated Brass	Stainless Steel	NPT	NPT Option		Armor Stop In		Armor Stop Out		Min	Max		
						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	1.650	2.29
TMC2-075A075	TMC2-075NB075	TMC2-075SS075	-	3/4"	0.80	0.60	0.89	0.69	0.99	1.48	1.60	1.970	3.00
TMC2-050A099	TMC2-050NB099	TMC2-050SS099	1/2"	-	0.78	0.79	1.10	0.87	1.18	1.81	1.95	2.130	5.11
TMC2-075A099	TMC2-075NB099	TMC2-075SS099	-	3/4"	0.80	0.94	1.28	1.02	1.37	2.05	2.21	2.340	6.70
TMC2-075A118	TMC2-075NB118	TMC2-075SS118	3/4"	-	0.79	1.22	1.50	1.30	1.62	2.36	2.55	2.440	8.82
TMC2-100A118	TMC2-100NB118	TMC2-100SS118	-	1"	0.98	1.49	1.72	1.57	1.90	2.56	2.79	2.440	9.45
TMC2-100A137	TMC2-100NB137	TMC2-100SS137	1"	-	0.98	1.57	1.88	1.65	2.00	2.75	2.97	2.600	11.06
TMC2-125A137	TMC2-125NB137	TMC2-125SS137	-	1-1/4"	1.00	1.79	2.21	1.91	2.33	2.95	3.19	2.640	12.77
TMC2-125A162	TMC2-125NB162	TMC2-125SS162	1-1/4"	-	1.00	2.14	2.61	2.27	2.72	3.54	3.82	2.760	24.69
TMC2-150A162	TMC2-150NB162	TMC2-150SS162	-	1-1/2"	1.06	2.49	2.97	2.62	3.25	4.33	4.68	3.460	42.68
TMC2-125A190	TMC2-125NB190	TMC2-125SS190	1-1/4"	-	1.03	2.95	3.54	3.16	3.76	4.84	5.23	3.680	53.44
TMC2-150A190	TMC2-150NB190	TMC2-150SS190	-	1-1/2"	1.06	3.52	3.94	3.70	4.25	5.23	5.65	3.890	59.19
TMC2-150A200	TMC2-150NB200	TMC2-150SS200	1-1/2"	-	1.06								
TMC2-200A200	TMC2-200NB200	TMC2-200SS200	-	2"	1.57								
TMC2-150A233	TMC2-150NB233	TMC2-150SS233	1-1/2"	-	1.06								
TMC2-200A233	TMC2-200NB233	TMC2-200SS233	-	2"	1.57								
TMC2-200A272	TMC2-200NB272	TMC2-200SS272	2"	-	1.57								
TMC2-250A272	TMC2-250NB272	TMC2-250SS272	-	2-1/2"	1.57								
TMC2-300A325	TMC2-300NB325	TMC2-300SS325	3"	-	1.63								
TMC2-350A325	TMC2-350NB325	TMC2-350SS325	-	3-1/2"	1.68								
TMC2-350A376	TMC2-350NB376	TMC2-350SS376	3-1/2"	-	1.68								
TMC2-400A376	TMC2-400NB376	TMC2-400SS376	-	4"	1.73								
TMC2-400A425	TMC2-400NB425	TMC2-400SS425	4"	-	1.73								

Note: \*Order Code Example: TMC2X-050A075 - "TMC2X" (Gland Type) - "050" (1/2" NPT Thread) - "A" (Material Aluminium) - "075" (Max Cable Diameter 0.75")  
 Dimensions are displayed in inches unless otherwise stated

I, the undersigned, hereby declare that the equipment referred to herein conforms to the requirements of the ATEX Directive 94/9/EC and the following standards:-

EN 60079-0:2009, EN 60079-7:2007, EN 60079-21:2009, BS 6121:1989, EN 62444:2013, EN 61241-0:2006, EN 61241-1:2004

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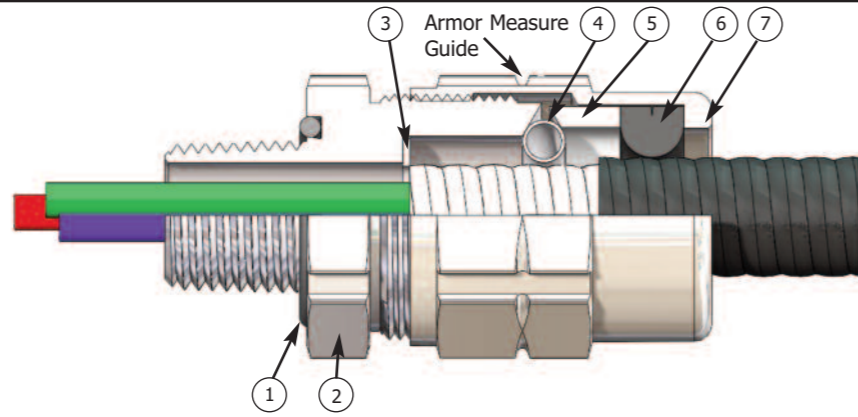
Notified Body: Sira Certification Service, Rake Lane, Chester CH4 9JN, England.

www.cmp-products.com

## INSTALLATION INSTRUCTIONS FOR CMP CABLE CONNECTOR TYPE TMC2

### CABLE CONNECTOR COMPONENTS

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



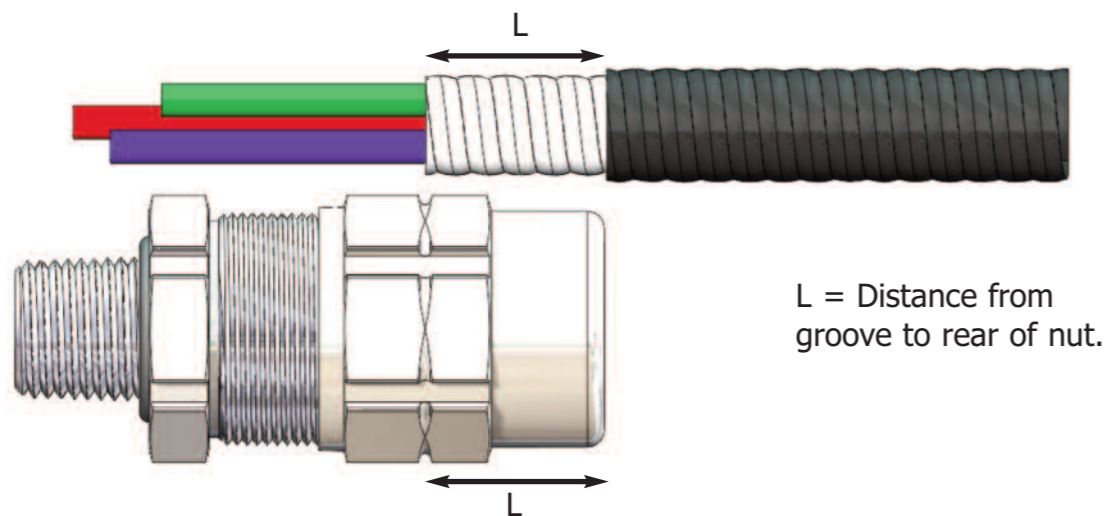
### PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

#### 1. Cable preparation.

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

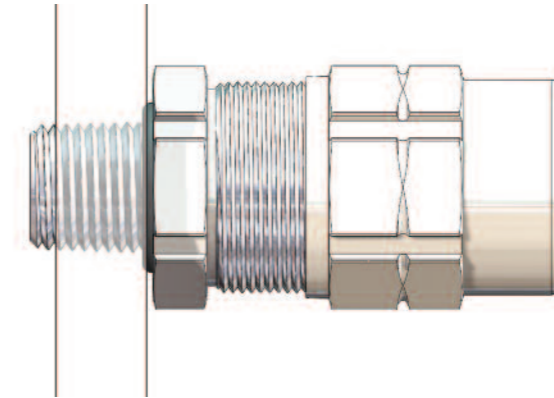


#### 2. Using the armor measure guide, expose the armor by stripping back the cable jacket by distance "L".



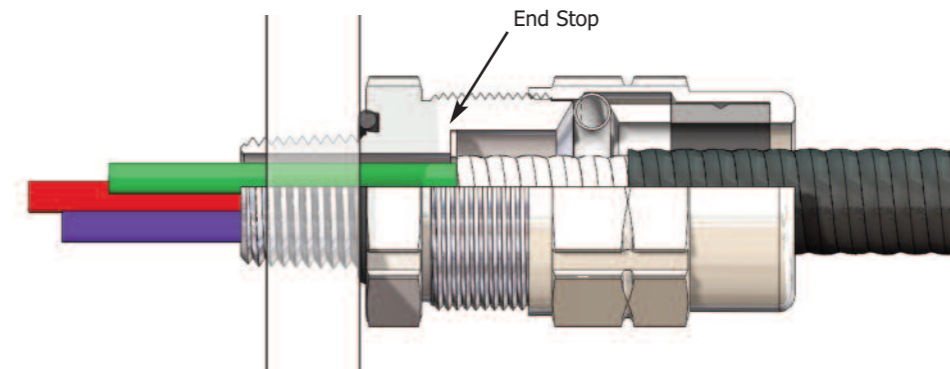
3. Screw the connector into the equipment, or if it is fitted into a clearance hole, secure with a locknut.

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

