


TECHNICAL DATA
CABLE GLAND TYPE
INGRESS PROTECTION
PROCESS CONTROL SYSTEM

: TC
: IP66, NEMA 4X
: BS EN ISO 9001

HAZARDOUS AREA CLASSIFICATION
ATEX CERTIFICATION No
ATEX CERTIFICATION CODE
IEC Ex CERTIFICATION No
IEC Ex CERTIFICATION CODE
cCSAus CERTIFICATION No
cSAus CERTIFICATION CODE

: SIRA 09ATEX1092X
:  II 2 GD Exd IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
: IEC Ex SIR.09.0042X
: Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
: CSA.09.2220601X
: Class I Div 2 Groups A, B, C, D; Class II, Div 2 Groups E, F, G; Class III Div 2; Enclosure type 4X; Ex e ; Class I, Zone 1, AEx e

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

- SPECIAL CONDITIONS FOR SAFE USE**
- The glands shall only be fitted to enclosures where temperatures, at the point of mounting, is below 110°C.
 - The cable shall be effectively clamped as close as possible to the gland.
 - When used for Ex e (IP54) or Ex ta (IP6X) applications, the user shall provide a suitable interface seal between the gland and associated enclosure to maintain the level of ingress protection.
 - Under CEC Code Cable Glands with metric entry threads are only suitable for Areas Classified in ZONES unless fitted with an approved Metric to NPT thread conversion adaptor. Under NEC Code, cable glands with metric threads can be used in divisions with the following restrictions:
 - TC Cable Glands will be restricted to Hazardous Location Areas stated under the NEC/CEC Part I, Installation Code under WIRING METHOD.
 - Gland Size 20S is for use with UL approved tray cable only.

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 *

Ordering Reference (Std Thread)			Entry Thread		Min Thread Length	Cable Range Insert		Cable Range No Insert		Across Flats	Across Corners	Assembled Length	Approx Weight Aluminium (Ozs)
Aluminium	NP Brass	S. Steel	NPT	Option		Min	Max	Min	Max				
TC-050A028	TC-050A028	TC-050A028	1/2"	-	0.78	0.13	0.28	-	-	1.20	1.30	0.79	1.94
TC-075A028	TC-075A028	TC-075A028	-	3/4"	0.80	0.26	0.41	0.41	0.55	1.20	1.30	0.79	1.69
TC-050A055	TC-050A055	TC-050A055	1/2"	-	0.78								
TC-075A055	TC-075A055	TC-075A055	-	3/4"	0.80	0.47	0.61	0.61	0.79	1.48	1.60	0.98	3.17
TC-075A079	TC-075A079	TC-075A079	3/4"	-	0.80								
TC-100A079	TC-100A079	TC-100A079	-	1"	0.98	0.67	0.85	0.85	1.04	1.81	1.95	0.98	3.88
TC-100A104	TC-100A104	TC-100A104	1"	-	1.98								
TC-125A104	TC-125A104	TC-125A104	-	1-1/4"	1.00	0.92	1.10	1.10	1.27	2.05	2.21	1.18	4.94
TC-125A127	TC-125A127	TC-125A127	1-1/4"	-	1.00								
TC-150A127	TC-150A127	TC-150A127	-	1-1/2"	1.03	1.22	1.37	1.37	1.50	2.36	2.55	1.26	6.00
TC-150A150	TC-150A150	TC-150A150	1-1/2"	-	1.03								
TC-200A150	TC-200A150	TC-200A150	-	2"	1.06	-	-	1.40	1.74	2.95	3.19	1.26	8.64
TC-200A174	TC-200A174	TC-200A174	2"	-	1.06								
TC-250A174	TC-250A174	TC-250A174	-	2"	1.57	-	-	1.63	1.97	2.95	3.19	1.65	8.29
TC-200A197	TC-200A197	TC-200A197	2"	-	1.06								
TC-250A197	TC-250A197	TC-250A197	-	2-1/2"	1.57	-	-	1.86	2.20	3.54	3.82	1.65	13.58
TC-250A220	TC-250A220	TC-250A220	2-1/2"	-	1.57								
TC-300A220	TC-300A220	TC-300A220	-	2-1/2"	1.63	-	-	2.13	2.44	3.54	3.82	1.69	13.58
TC-250A244	TC-250A244	TC-250A244	2-1/2"	-	1.57								
TC-300A244	TC-300A244	TC-300A244	-	3"	1.63	-	-	2.40	2.68	4.33	4.68	1.69	23.63
TC-300A268	TC-300A268	TC-300A268	3"	-	1.63								
TC-350A268	TC-350A268	TC-350A268	-	3-1/2"	1.68	-	-	2.62	3.15	4.84	5.23	2.28	34.22
TC-350A315	TC-350A315	TC-350A315	3-1/2"	-	1.68								
TC-400A315	TC-400A315	TC-400A315	-	4"	1.73	-	-	2.99	3.54	5.25	5.67	2.28	38.80
TC-400A354	TC-400A354	TC-400A354	4"	-	1.73								

Cable Connector Selection Table

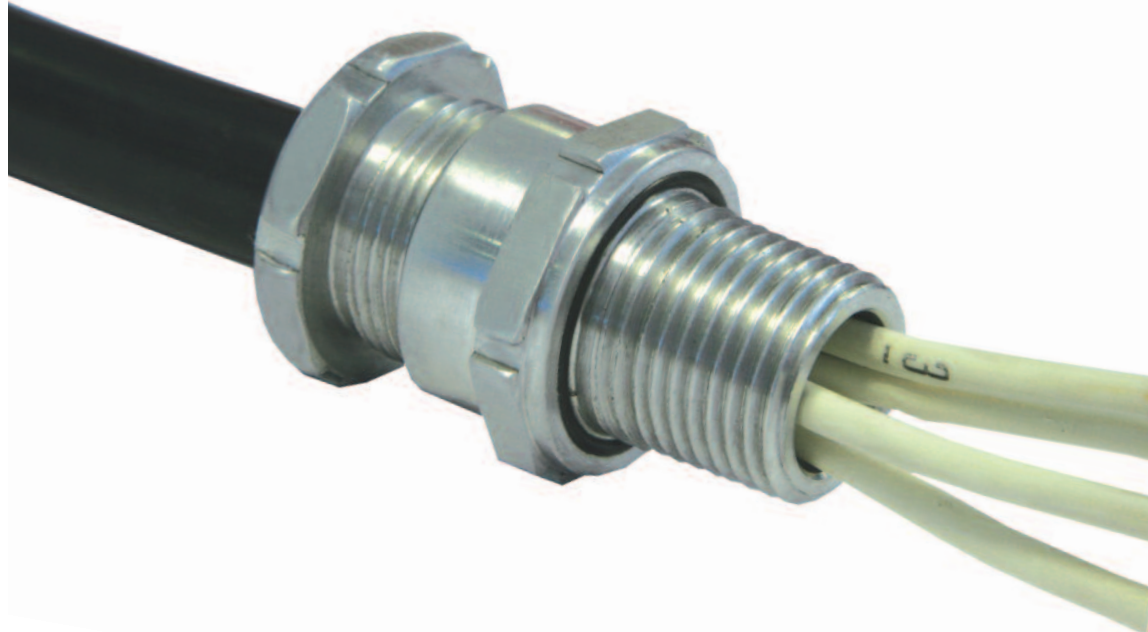
ASSEMBLY FITTING INSTRUCTIONS

FOR INSTALLATION OF CMP CABLE CONNECTOR TYPE TC

FOR TERMINATION OF TRAY CABLES, FLEXIBLE CORD, UNARMoured AND WIRE BRAID CABLES FOR USE IN HAZARDOUS LOCATIONS

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

CABLE CONNECTOR TYPE TC



CMP PRODUCTS

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

G. I. Mood

Dr Geof Mood - Technical Director - (Authorised Person)

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CMP PRODUCTS

CE 0518

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

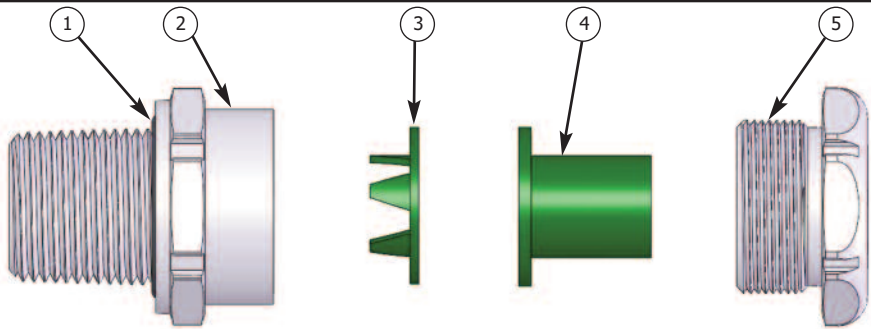
www.cmp-products.com



INSTALLATION INSTRUCTIONS FOR TC CABLE CONNECTOR

CABLE CONNECTOR COMPONENTS

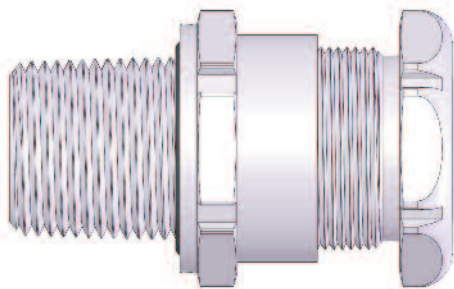
- 1. "O" Ring
- 2. Entry Component
- 3. Seal Insert*
- 4. Nut Insert*
- 5. Seal Nut



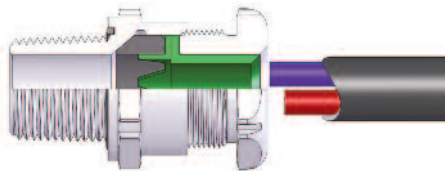
Note*: The Seal and Nut inserts are only used in connector sizes 40 (1-1/4") and below to give two cable size ranges.

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

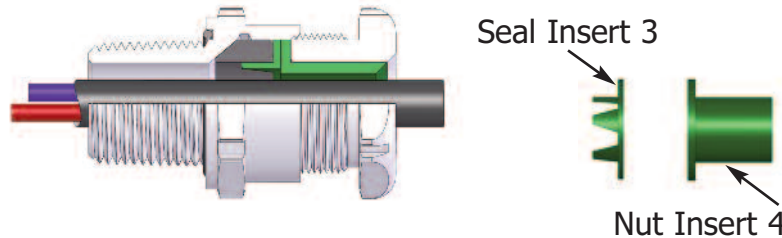
1. If using the smaller cable range there is no need to disassemble the connector. (Size ranges are marked on the connector).



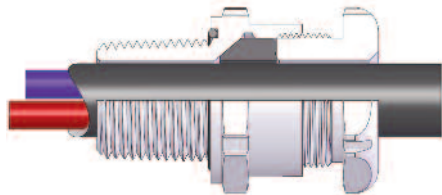
2. Slacken the seal nut (5) to relax the seal. Try to pass the cable through the connector. If this is possible, move to stage 3.



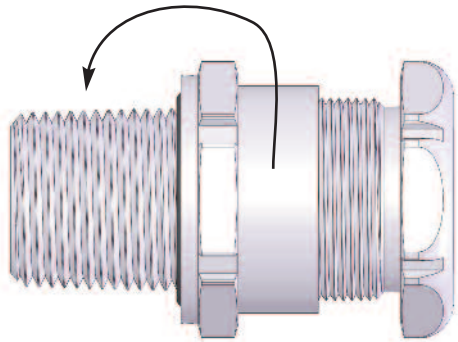
If not disassemble the connector and remove the seal insert (3) and the nut insert (4).



This will allow the cable to pass through the connector.



3. Secure the complete connector into the equipment.



4. Determine the conductor length to suit the geometry of the equipment and prepare the cable accordingly, removing part of the outer sheath where required to reveal the insulated conductors.



5. Pass the cable through the gland to the desired position hold the entry component (2) with a spanner then tighten the seal nut until heavy resistance is felt. This will occur when:-
A) The seal nut (5) has clearly engaged the cable and cannot be further tightened without the use of excessive force by the installer.
B) The seal nut (5) is metal to metal with the entry component (2). (This should only happen on minimum cable sizes.)

