

TECHNICAL DATA

CABLE GLAND TYPE : PXSS2K
 INGRESS PROTECTION : IP66, IP67, IP68, Type 4X; Oil Resistant II
 PROCESS CONTROL SYSTEM : BS EN ISO 9001

HAZARDOUS AREA CLASSIFICATION

ATEX CERTIFICATION No : SIRA 06ATEX1097X & SIRA 07ATEX4326X
 ATEX CERTIFICATION CODE : Ex II 2 GD Ex d IIC / Ex e II / Ex nR II / Ex tD A21 IP66
 IEC Ex CERTIFICATION No : IEC Ex SIR.06.0044X
 IEC Ex CERTIFICATION CODE : Ex d IIC / Ex e IIC / Ex nR II / Ex tD A21 IP66
 CSA-US CERTIFICATION No. : 2288626
 CSA-US CERTIFICATION CODE : Class I Div 1, 2, Groups A, B, C, D; Class II, Div 1, 2, Groups F and G; Class III, Div 1, 2;
 Class I Zone 1 AEx d IIC / AEx e II
 (Code details depends upon application - please see certificate)

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

1. The cable gland ranges shall only be used where the temperature, at the point of entry, is in the following ranges:
 -60°C to +100°C.
2. The cable glands used for terminating braid cable are only suitable for fixed installations. Cables must be effectively clamped to prevent twisting and pulling.
3. The entry component threads may need additional sealing to maintain the ingress protection ratings as applicable to the associated equipment to which it is attached.
4. According to the CEC wiring code, connectors with metric threads are only suitable for Areas Classified in ZONES unless fitted with an approved Metric to NPT thread conversion adaptor.
5. Wiring method for type of cables that can be used in Class I, Div. 1, 2, and Class I, Zone 1, 2, Classified Areas according to 60079-14 installation wiring method restrictions.
6. Shipboard Cables are for use on Marine Platform or shipboards only and are subject to local authorities having jurisdiction on the installation.

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 *

Cable Gland Size	Available Entry Threads			Minimum Thread Length	Number Of Cores	Diameter Over Conductors Max	Overall Cable Diameter		Across Flats Max	Across Corners Max	Protrusion Length	Ordering Reference (Brass Metric)**	PVC Shroud Reference *	Cable Gland Weight (KGs)
	Standard Metric	Option NPT	Option NPT				Min	Max						
20S/16	M20	1/2"	3/4"	15.0	34	12.6	3.1	8.7	30.5	32.9	58.5	20S16PXSS2K1RAR	PVC04	0.200
20S	M20	1/2"	3/4"	15.0	34	12.6	6.1	11.7	30.5	32.9	58.5	20SPXSS2K1RAR	PVC04	0.200
20	M20	1/2"	3/4"	15.0	34	12.6	6.5	14.0	30.5	32.9	60.5	20PXSS2K1RAR	PVC05	0.250
25	M25	3/4"	1"	15.0	80	17.5	11.1	20.0	37.5	40.5	67.5	25PXSS2K1RAR	PVC09	0.403
32	M32	1"	1-1/4"	15.0	115	23.6	17.0	26.3	46.0	49.7	69.5	32PXSS2K1RAR	PVC10	0.555
40	M40	1-1/4"	1-1/2"	15.0	185	30.0	22.0	32.1	55.0	59.4	78.0	40PXSS2K1RAR	PVC13	0.600
50S	M50	1-1/2"	2"	15.0	274	36.6	29.5	38.2	60.0	64.8	75.5	50SPXSS2K1RAR	PVC15	0.605
50	M50	2"	2-1/2"	15.0	343	41.0	35.6	44.1	70.0	75.6	80.5	50PXSS2K1RAR	PVC18	0.620
63S	M63	2"	2-1/2"	15.0	466	47.9	40.1	50.1	75.0	81.0	91.5	63SPXSS2K1RAR	PVC21	0.705
63	M63	2-1/2"	3"	15.0	585	53.7	47.2	56.0	80.0	86.4	92.0	63PXSS2K1RAR	PVC23	0.730
75S	M75	2-1/2"	3"	15.0	727	59.9	52.8	62.0	89.0	94.3	99.0	75SPXSS2K1RAR	PVC24	1.150
75	M75	3"	3-1/2"	15.0	837	64.3	59.1	68.0	99.0	106.9	102.0	75PXSS2K1RAR	PVC26	1.150
90	M90	3"	3-1/2"	15.0	1146	75.3	66.6	79.4	114.0	123.1	120.0	90PXSS2K1RAR	PVC31	2.700
100	M100	4"	-	15.0	1480	85.6	80.0	90.9	133.0	143.6	135.0	100PXSS2K1RAR	150/50 HST	3.400

All dimensions in millimetres unless otherwise stated

Cable Gland Selection Table

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)

Glasshouse Street • St. Peters • Newcastle upon Tyne • NE6 1BS
 Tel: +44 191 265 7411 • Fax: +44 191 265 0581
 E-Mail: cmp@cmp-products.com • Web: www.cmp-products.com



CE 0518

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

www.cmp-products.com

ASSEMBLY FITTING INSTRUCTIONS FOR INSTALLATION OF CMP CABLE GLAND TYPE PXSS2K

FOR TERMINATION OF UNARMoured, BRAIDED CABLES AND EXTRA HARD CORD USEAGE CABLES.
 FOR USE IN HAZARDOUS LOCATIONS.

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

CABLE GLAND TYPE PXSS2K



CMP PRODUCTS

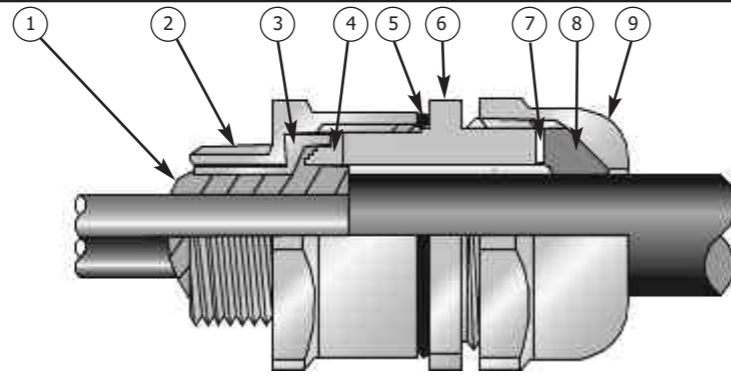


Logo's shown for illustration purposes only. Please check certification for details

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPE PXSS2K

CABLE GLAND COMPONENTS

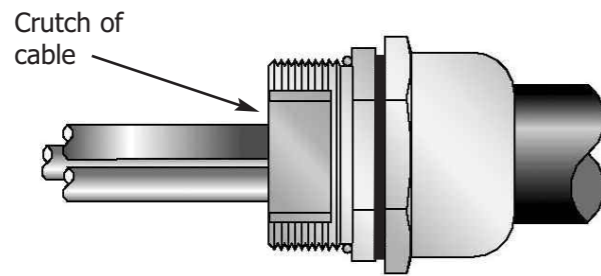
1. Compound
2. Entry Component "A"
3. Compound Tube
4. Spacer
5. "O" Ring
6. Main Item
7. Skid Washer
8. Outer Seal
9. Outer Seal Nut



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

1. Separate the gland components by removing the main item (6) and outer seal nut assembly (7, 8, 9). Slacken the outer seal nut slightly to relax the seal and pass the main item/outer seal nut assembly over the cable, nut end first.

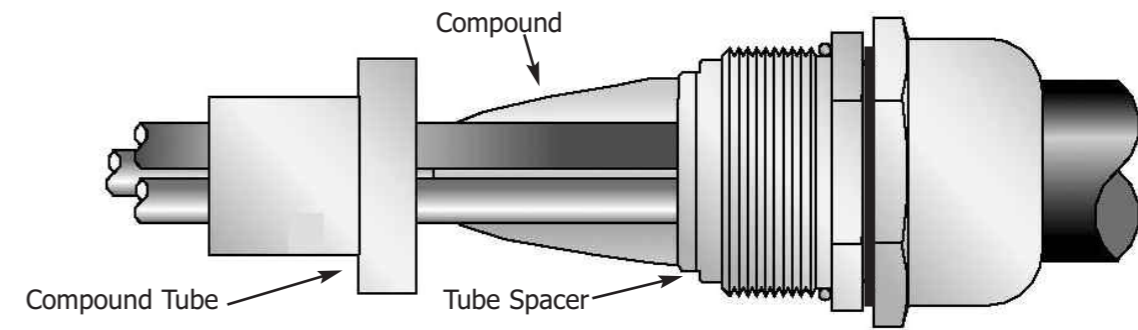
2. Strip the cable sheath by a length to suit the equipment. Position the end of the sheath in line with the main item (6) as shown below and tighten the outer seal nut enough to hold the cable in position.



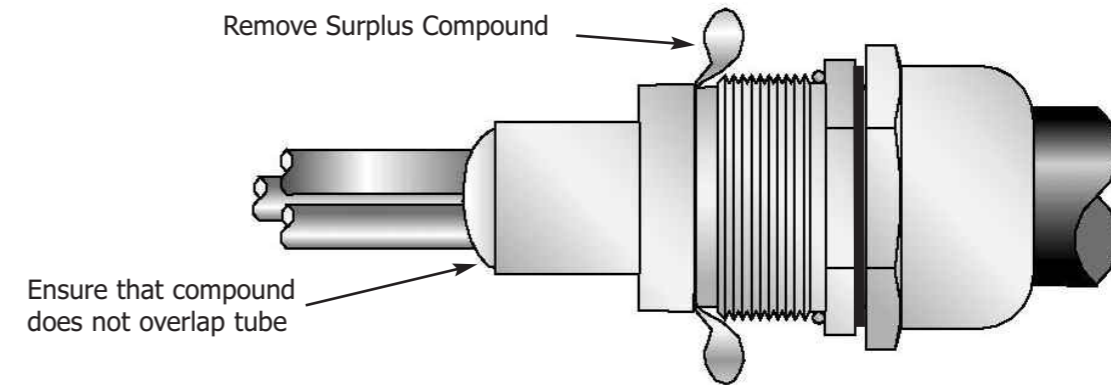
3. Remove any bedding or fillers from around the cable cores. If the cable cores have screens, these should be unravelled and then twisted together to form a single core. Wearing the protective gloves supplied, mix all of the two-part epoxy compound until it is pliable and an even colour is achieved. (Minimum mixing temperature 10°C / 50°F)

4. Fit the tube spacer (4). Separate the cable cores and apply the compound to the crutch of the cable for a distance of about 6mm and pack into place. If a drain wire is present then it should be sleeved using some heat shrink tubing which is pushed into the compound before shrinking with the application of some heat. If screens have been twisted together at stage 3, then they should be treated like a drain wire.

5. Bring the cores together again and pack more compound around them to a length and diameter sufficient to fill the compound tube, ending in a taper.



6. Pass the compound tube (3) over the conductors until the stepped end is fully located with the tube spacer (5). Pack more compound into place until the compound tube is fully filled.



7. Slightly slacken the outer seal nut. Re-install the cable assembly into the entry item making sure the compound is not disturbed and fully tighten the main item (6) onto the entry item (2). Tighten the outer seal nut (9) until it comes to an effective stop. This will occur when :-

- A) The outer seal nut (9) has clearly engaged the cable and cannot be further tightened without the use of excessive force by the installer.
- B) The outer seal nut (9) is metal to metal with the main item (6).

