

Assembly Instructions for: Installation of Cold Shrink Tubing

Operating temperature range -60°C +100°C

*Must be used in conjunction with relevant
cable gland assembly instructions*

Certification Details

Gland types and applicable certificates listed below:

ICG 653/UNIV

IECEx CML 18.0131X
CML18ATEX1268X
Exdb IIC Gb / Exeb IIC Gb / Extb IIIC Db

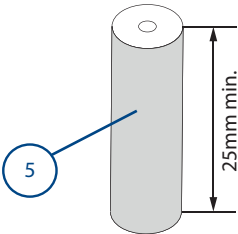
501/453/UNIV

IECEx CML 18.0131X
CMI18ATEX1268X
Exeb IIC Gb / Extb IIIC Db

501/453/RAC

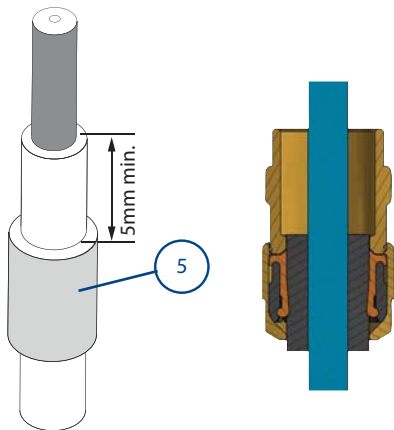
IECEx CML 19.0045X
CML 19ATEX1167X
Exeb IIC Gb / Extb IIIC Db

Cable Preparation



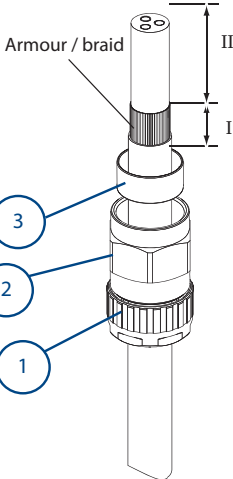
A
Cut cold shrink tubing ⑤ to size, minimum 25mm and slide onto cable.

Gland Preparation



C
Slide cold shrink tubing ⑤ down outer sheath to position shown above to suit ① backseal. Ensure surface of cable in the sealing area is free from debris. Hold cold shrink in place on cable and assemble as detailed in D below.

1. Backnut (backseal)
2. Middle Nut
3. Reversible Armour Clamping Ring (RAC)
4. Entry (with captive deluge seal)
5. Cold Shrink Tubing



B
Strip cable to suit equipment as shown above and expose the armour / braid 'I'. 'I' = 20mm for cable gland sizes Os to A 'II' = to suit equipment. Slide middle nut and backnut down cable prior to installation.

CABLE GLAND SELECTION TABLE

Size Ref.	Entry Thread Size		Cable Acceptance Details						Compressed Length	Maximum Length	Hexagon Dimensions	
			Inner Sheath		Outer Sheath		Armour Braid					
	Metric	NPT	Min.	Max.	Min.	Max.	Orientation 1	Orientation 2				
Os	M20	½"	3.5	8.1	5.5	12.0	0.8/1.25	0/0.8	61.6	72.8	24.0	26.5
O	M20	½"	6.5	11.4	9.5	16.0	0.8/1.25	0/0.8	61.6	72.8	24.0	26.5
A	M20	½" - ¾"	8.4	14.3	12.5	20.5	0.8/1.25	0/0.8	63.0	74.2	30.0	32.5

* Sizes Os and O are available with an M16 thread size. If M16 entry is used on O size cable glands the maximum cable inner sheath diameter is limited to 10.9mm.

Ref. No.	64 Spec. No.	Cable Description	Engine	Typical Signal
1	64/07010330/1	3C PTFE/NiCuWB/PFA		UCP to JB1
2	64/07010330/3	3C PTFE/NiCuWB/PFA		
3	64/07010332/1	4C PTFE/NiCuWB/PFA		
4	64/07010332/3	4C PTFE/NiCuWB/PFA	N	ZS955/956
5	64/07010333/1	1TR PTFE/SCR/NiCuWB/PFA	E	JB57 to JB4 Wrg
6	64/07010334/2	1PR PFA/NiCr-NiAl/SCR/NiCuWB/PFA	E	TC75, TC61
7	64/07010336/1	2PR PTFE/OASCR/PFA/NiCuWB/PFA	N	ZT146.ZC42
8	64/07010336/2	2PR PTFE/OASCR/PFA/NiCuWB/PFA	E	RTD1, RTD48
9	64/07010339/1	1PR PTFE/OASCR/PFA/NiCuWB/PFA		
10	64/07010344/1	2PR PTFE/SCR/PTFE/NiCuWB/PFA	N	ZT10
11	64/07010346/1	1PR PTFE/SCR/PFA/NiCuWB/PFA	E	SOL414,415
12	64/07010348/1	3PR PTFE/SCR/PTFE/NiCuWB/PFA		
13	64/07010349/1	2PR PTFE/SCR/PTFE/NiCuWB/PFA		
14	64/07010350/1	1PR PTFE/SCR/PFA/NiCuWB/PFA		
15	64/07010363/1	2C PTFE/NiCuWB/PFA		
16	64/07010364/1	2C PTFE/NiCuWB/PFA		
17	64/07010411/1	4PR PTFE/SCR/PTFE/NiCuWB/PFA		
18	64/07010427/1	3C PTFE/NiCuWB/PFA		
19	64/07010429/1	4C PTFE/NiCuWB/PFA		
20	64/07010489/1	2C PTFE/NiCuWB/PFA	E	SOL292, SOL8
21	64/07010500/1	5C PTFE/NiCuWB/PFA		
22	64/07010504/1	1PR NiCrSi/NiSi/NiCuWB/PTFE		TC101, TC102
23	64/07010530/1	4PR PTFE/NiCuWB/PFA	N	UCP to Z28 (ZT9)

D
Assemble cable gland as per relevant Assembly Instruction. Reassemble middle nut ② onto the entry component ④. Tighten up the middle nut ② until hand tight, then using a wrench / spanner, turn the nut through 1/4 turn. Tighten the backnut ① to form a seal around the cable, then tighten a further full turn using a wrench / spanner. Ensure that the middle nut ② does not rotate when tightening the backnut ①.

Note: The deluge seal on this gland locates on assembly and requires no further action. Locate shroud over cable gland, if applicable.

