Prysmian Group

BICON

Installation Instructions for BW & BW-LSOH Glands

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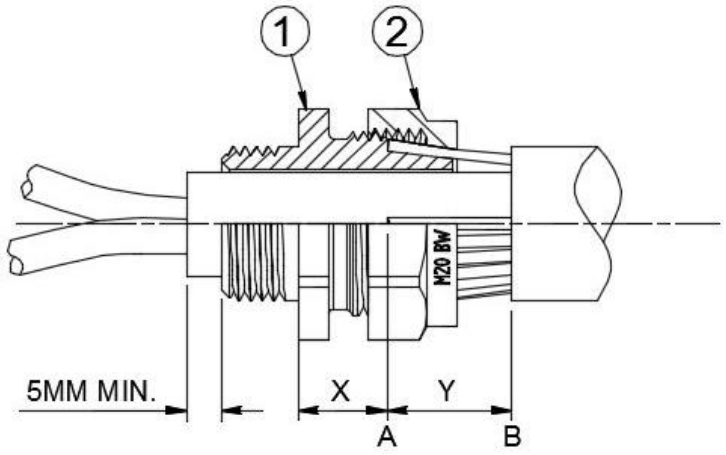

Key :

1. Gland body
2. Gland nut

Not Shown:

- Shroud
- Earth tag
- Lock nut

Design Ref. KA410-420LSF-	Size	Under Armour Ø mm (Max)	Overall Ø mm (Max)	Armour Wire Ø mm	Length '**X**' mm	Exposed Armour length '**Y**' mm	Tightening Torque '**Z**' Nm
52	M20s	11.6	15.8	0.9	8	13	30
53	M20	13.9	20.8	0.9/1.25	11	13	30
55	M25	19.9	27.2	1.25/1.6	13	19	40
56	M32	26.2	33.5	1.6/2.0	13	25	50
57	M40	32.1	39.9	1.6/2.0	12	29	65
59	M50	44.0	52.6	2.0/2.5	19	32	90
61	M63	55.9	65.3	2.5	15	35	110
62	M75s	61.9	71.6	2.5	17	38	150
63	M75	67.9	78.0	2.5	21	38	150

Cable Preparation

1. Place cable alongside the enclosure and allow sufficient length for spreading and terminating the core(s) to the terminals, then cut off any surplus cable.
2. If a shroud is required, slide it onto the cable before proceeding with cable stripping.
3. Mark the point where the cable passes through the enclosure wall then measure back the length **'X'** and mark position **'A'** on the cable**.**
4. Cut through over-sheath at position '**A'** using a hacksaw or rotary cutter ensuring that the cut is perpendicular to the cable axis, then continue to cut half way through the armour wires. Remove the over-sheath up to the armour wire cut position '**A'** and remove the armours by bending back and forth until they snap off.
5. Using the '**Y**' dimension, mark position '**B'** and cut and remove the cable over-sheath exposing the armour wires.

Gland Assembly

6. Pass gland nut (2) along cable over the armour and position it out of the way.
7. Pass gland body (1) over the inner sheath and splay the armour wires over the knurled cone. Spread the armour wires evenly and ensure they make contact with the end shoulder of the cone.
8. Screw the gland nut (2) onto the gland body (1) and tighten to '**Z**' Nm.
9. Feed cores and gland into equipment, adding an earth tag if required and secure with lock nut.
10. Reposition the shroud pushing it over the gland so that it touches the equipment face.

Note: It is advisable to fit cable cleats to support the cable.

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