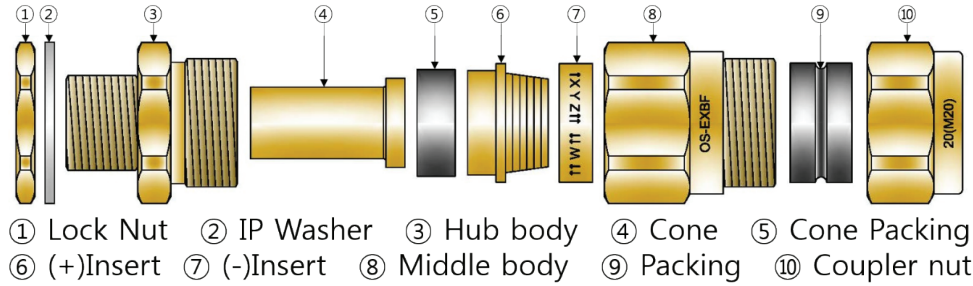


OS-EXBF Compound Barrier Glands Installation

Installation Manual for OSCG Cable gland type OS-EXBF

Application[Barrier Gland for Any Type of Armoured Cable]

- IECEx PRE 18.0074X
- Presafe 18 ATEX 13521X
- KCs 18-KA2BO-0713~4X
- II2G Ex db IIC Gb
- II2G Ex eb IIC Gb
- II2D Ex tb IIC Db
- O.T -60°C~110°C
- IP 66 / 68

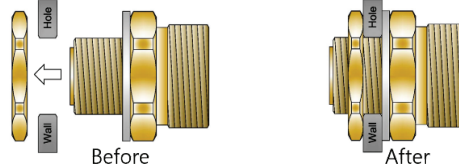


Preparation material

vernier calipers, spanner 2ea, ruler, pen, clipper, cutter, compound set, cable cutter, tape, compass saw, -driver

Installation Order

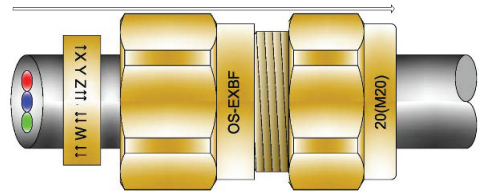
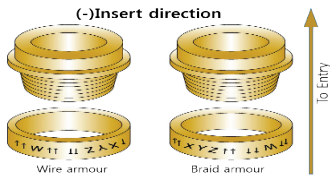
1. Separate gland components
2. Tighten Hub body(③) with and enclosure or equipment(※ Tighten lock nut(①) by spanner)



3. Put (-)Insert(⑦), Middle body(⑧), Coupler nut(⑩) through cable.[Disassemble Middle(⑧) body from Coupler nut(⑩) to remove sheet]

※ BS 6121 Type of Gland(The suffix of each type of protection)

Single wire : W, Wire braided : X, Aluminium strip : Y, Steel tap : Z

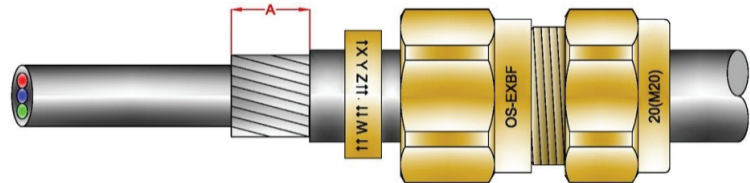


4. Remove unnecessary armour and Outer sheath.[Use compass saw]

※ A : Range of remove Outer sheath

Gland Size	Remove range
16 ~ 32	15 ~ 20mm
40 ~ 115	25 ~ 32mm

※ Be careful of armour not to be damaged



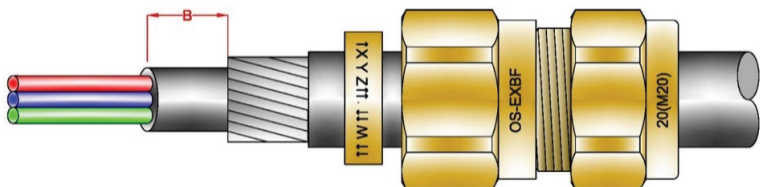
5. Remove Inner sheath except B(Use cable cutter or cutter)

※ B : Range of except Inner sheath

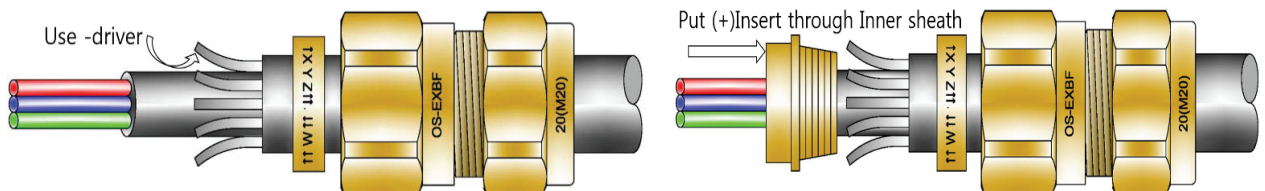
Gland Size	Range of except
16 ~ 32	15mm
40 ~ 115	25mm

※ Be careful of core not to be damaged

※ Need to tape the end of cores

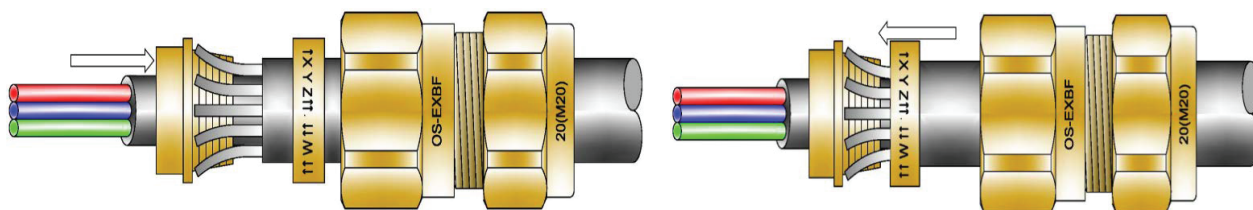


6. Use -driver to separate the exposed wire from the inner sheath and then Put (+)Insert(⑥) through Inner sheath

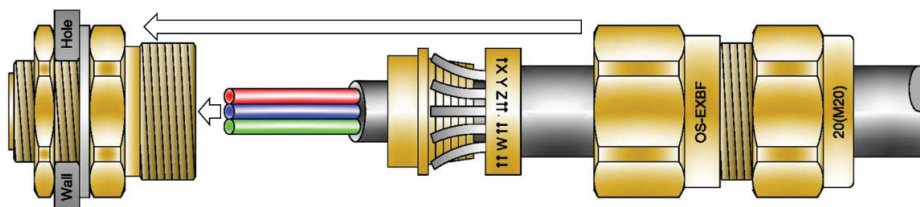


OS-EXBF Compound Barrier Glands Installation (Contd)

7. Place bottom part of (+)Insert(⑥) under armour and (-)Insert(⑦) is move to top side of armour

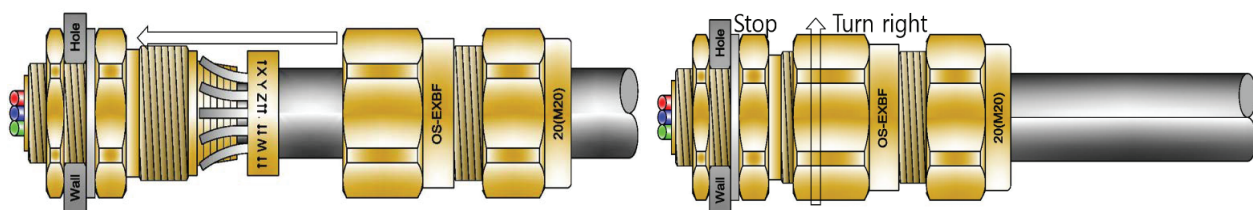


8. Put the cable and Cable gland through the Hub body(③)



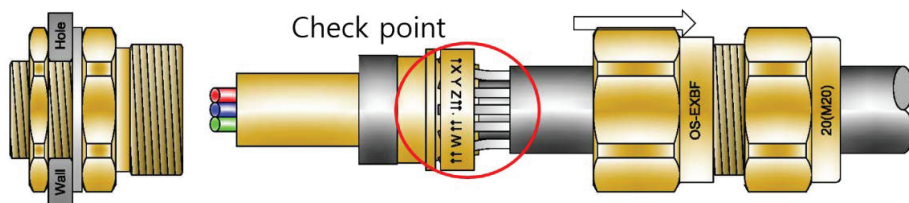
9. Armour clamping work[Hub body(③) ← (+)Insert(⑥) ← (-)Insert(⑦) ← Middle body(⑧) ← Coupler nut(⑩)]

※ Tighten gland by spanners until some friction sounds twice



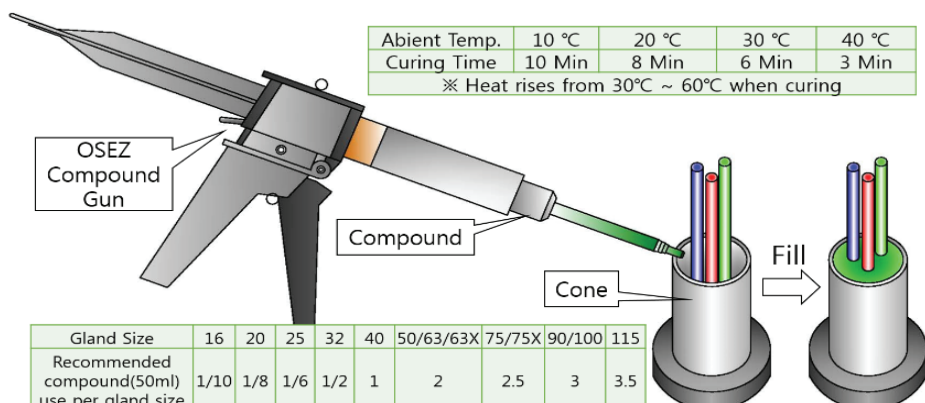
10. Untighten Middle body(⑧) to check clamping condition[Use spanner]

- ※ (+)/(-) Inserts are not mandatorily attached due to the thickness of armour as long as (+)/(-) Inserts are not loosen
- ※ Need to check (-)Insert direction



11. Fill compound inside cone

- ※ Make sure compound filled between cores
- ※ If the compound overflows on cone, wipe off compound immediately. Immediately wash if in contact with human body
- ※ Recommended compound [50ml] use per gland size table[Right side]
- ※ Before use compound, waste it by pressing the gun full 2 times for equivalent mixing between epoxy and hardener, then fill the cone.



12. Assemble all gland components and Check out the tightening condition of Coupler nut(⑩)

- ※ 1. Tighten Middle body(⑧) to Hub body(③)
- ※ 2. Tighten Coupler nut(⑩) to Middle body(⑧)
- ※ To ensure IP grade, tighten using tools
- ※ Tighten the Coupler Nut(⑩) by 1/2 to 1 turn with a spanner.
- ※ Be careful of Check point with no gap

