OPERATION MANUAL

TYPE : KXBC・KXBC-S

EXPLOSION PROTECTED TYPE CABLE GLAND (PACKING TYPE UNION)

IECEx TIIS 21.0004X

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ID	C-2112	Rev.	5
DAY	2024.11.07		

Standard specifications

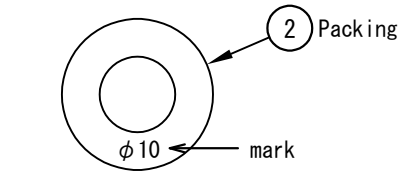
1.Preparation	:	Work in a location where there is no explosive atmosphere
2.assembly	:	See P.2 attached sheet
3.Specifications	:	Each specification is shown in the drawing
4.COT	:	-40℃ ～ +95℃
5.Standards	:	The cable glands comply with the following standards IEC 60079-0:2017(ed.7.0),IEC60079-1:2014(ed.7.0) IEC 60079-7:2017(ed.5.1)
6.Contact information	:	Described on the cover
7.Ingress protection	:	Without entry gasket and washer : IP64 With entry gasket : IP66/IP67 With entry gasket and washer : IP66/IP67

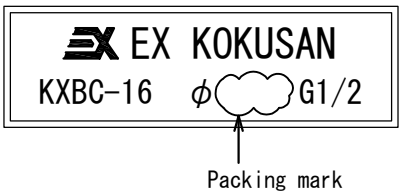
Requirements for threaded in to equipment

- Thread Fit Tolerance : G : A Class、M : H6、NPT : None specified
- Material restrictions for equipment : None
- Surface roughness of non-threaded flampaths : Ra25μor less
- Equipment lead-in section wall thickness
  G : 8 or more thread、M : 8 or more thread、NPT : 5 thread
- verticality of the equipment lead-in section : 0.5mm or less

Selection of packing

- Measured cable outside diameter in 2 directions up to 0.1 mm unit
- Determine the average value in the two directions and select a packing whose value falls within the applicable cable diameter range from the list of attachments.
- When using spare packing, write the mark of the selected packing on the included seal and attach it to the product.





Packing	Applicable Cable Diameter		Tightening torque
Mark	Min	Max	[N･m]
φ 8	7.0	8.0	15
φ 9	8.1	9.0	18
φ10	9.1	10.0	18
φ11	10.0	11.0	20
φ12	11.0	12.0	20
φ13	12.1	13.0	23
φ14	13.1	14.0	23
φ15	14.1	15.0	25
φ16	15.1	16.0	25

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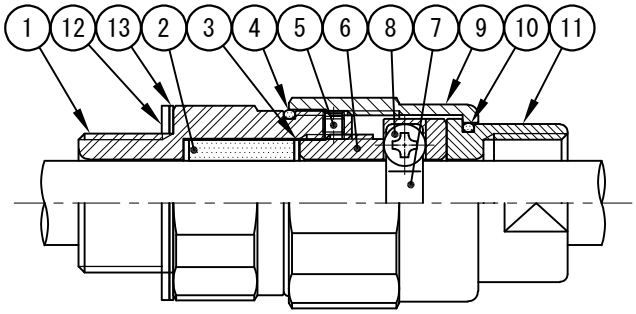
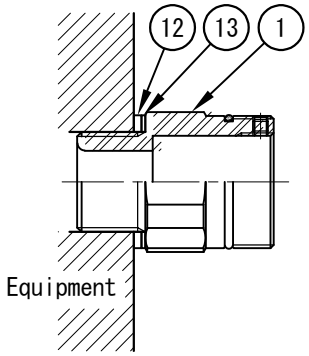
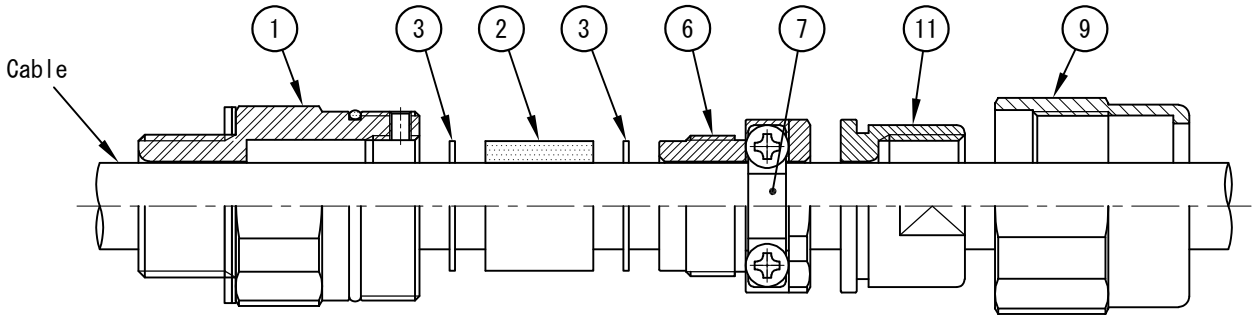


NO.	Parts name
13	Washer
12	Gasket
11	Union coupling
10	O Ring
9	Union cover
8	Cross recessed head screw
7	Clamp
6	Gland
5	Hexagon socket set screw
4	O Ring
3	Washer
2	Rubber Packing
1	Body

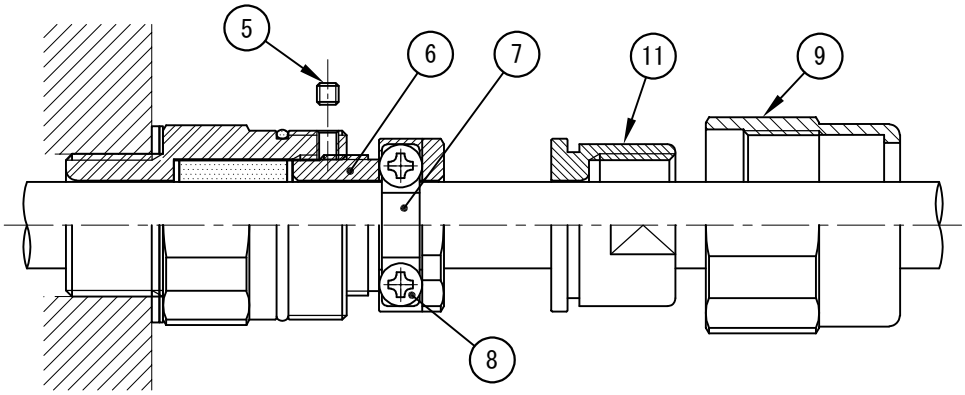


※ Parallel thread
Use a tool with 8 or more threads (8 or more revolutions) to firmly screw the ① into the equipment.
(Recommended torque:5.0 N·m over)
Do not over tighten the gland body.
Make sure that the Gasket does not protrude.

※ Tapered thread
Use a tool with 3.5 or more threads (3.5 or more revolutions) to firmly screw the ① into the equipment.
(Recommended torque:15.0 N·m over)



Route ⑨, ⑪, and ⑥ through the cables to be used.
Then, loosen ⑦.



Insert ③ ,and ② into ① ,and screw ⑥ in, and then the cable is fixed by the close contact of ②.

Then, screw 1 more turn ⑥ firmly and compress ② . (See drawing for recommended torque)

Next, screw in and lock ⑤ with a hex wrench.

Tighten ⑦ with ⑧ to secure the cable.(recommended torque is shown in the drawing)

Screw ⑪ and ⑨ firmly into ①.

Firmly screw the cable protection into the ⑪.