

Explosion-proof Cable Glands (Double Seal, Armoured, Unarmoured)

KBM-13,14 Series

-  II 2 G Ex db IIC Gb
-  II 2 G Ex eb IIC Gb
-  II 3 G Ex nR IIC Gc
-  II 2 D Ex tb IIIC Db



KBM-13

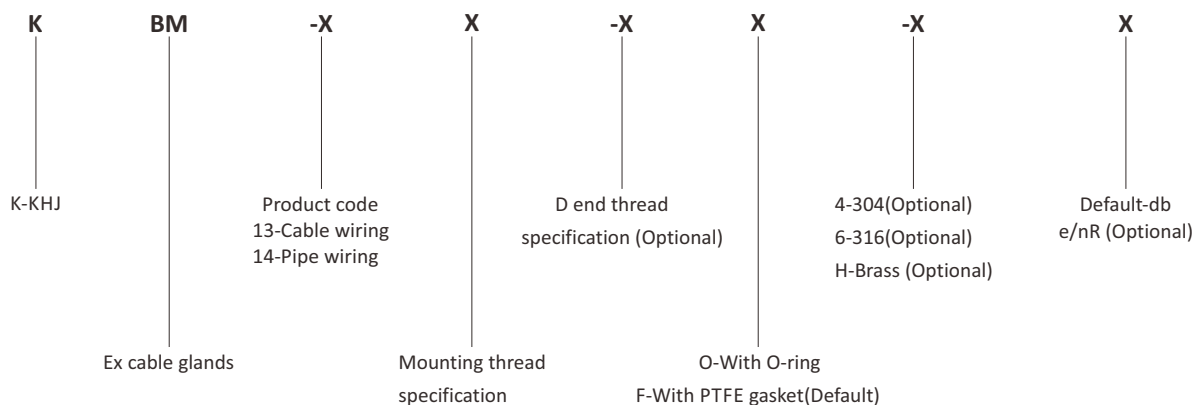


KBM-14

1. Application and Features

- Explosion proof certificates
 - ATEX : TPS 22 ATEX 114950 0001 X
 - IECEx : IECEx TPS 22.0023X
- Application in hazardous area
 - Zone 1 and Zone 2,
 - Zone 21 and Zone 22
- Flame-proof (Type 'd'), Increased safety (Type 'e'), restricted breathing (Type 'nR') combustible dust (Type 'tb') structure.
- Double seal for armoured and unarmoured cables.
- External hexagon and stripe compression nuts are available.
- Can be installed on Ex i (intrinsic safety type) equipment.

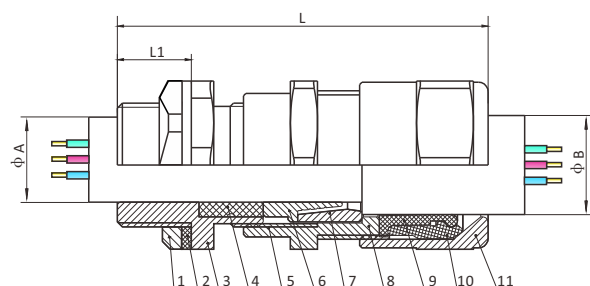
2. Product definition



3. Technical Parameter

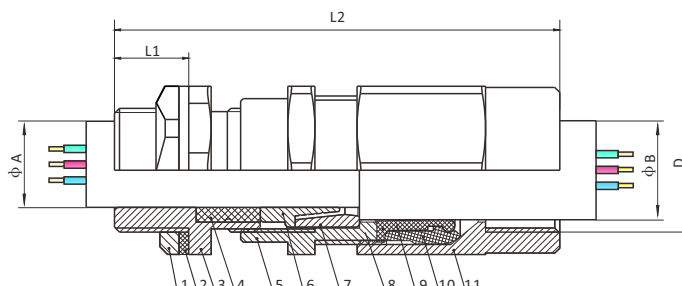
Explosion protection	Ex marking	 II 2 G Ex db IIC Gb	Ex db IIC Gb
		 II 2 G Ex eb IIC Gb	Ex eb IIC Gb
		 II 3 G Ex nR IIC Gc	Ex nR IIC Gc
		 II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Exectutive standards		IEC60079-0,IEC60079-1,IEC60079-7,IEC60079-15,IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-15, EN60079-31	
Material		Stainless steel, nickel plated brass, brass, etc.	
Degree of protection		IP66, IP67, IP68(2m/72h)	
Ambient temperature		-43°C~+100°C	
Connection thread		NPT thread, Metric thread (M)	

4. Outline and Installation(mm)



KBM-13

- 1.Locknut 2.Sealing washer 3.Inlet connector
4.Sealing ring 5.Middle connector 6.Armour cone
7.Clamping ring 8.Sealing ring 9.Sealing ring
10.Sealing ring loop 11.Compression nut



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Mounting thread		Cable outer diameter (mm)		Thread length L1(mm)	Length L(mm)	Length L2(mm)	Maximum outer diameter (mm)	KBM-13 Weight (kg)	KBM-14 Weight (kg)
M	NPT	Outlet Φ A	Inlet Φ B						
M16×1.5	—	4~8	5.5~12	16	79	94	29	0.16	0.17
M20×1.5A	NPT1/2A	4~8	5.5~12	16	79	94	29	0.18	0.20
M20×1.5B	NPT1/2B	6.5~10.5	9.5~16	16	79	94	29	0.16	0.18
M20×1.5C	NPT1/2C	10~14.5	12.5~20.5	16	79	94	37	0.22	0.24
M25×1.5A	NPT3/4A	6.5~10.5	9.5~16	16	79	94	29	0.20	0.22
M25×1.5B	NPT3/4B	10~14.5	12.5~20.5	16	79	94	37	0.26	0.28
M25×1.5C	NPT3/4C	12.5~19.5	17~26	16	87	102	44	0.32	0.34
M32×1.5A	NPT1A	10~14.5	12.5~20.5	18	81	96	37	0.36	0.39
M32×1.5B	NPT1B	12.5~19.5	17~26	18	89	104	44	0.40	0.43
M32×1.5C	NPT1C	19~25.5	22~33	18	96	111	55	0.52	0.55
M40×1.5A	NPT1 1/4A	12.5~19.5	17~26	18	89	104	44	0.76	0.80
M40×1.5B	NPT1 1/4B	19~25.5	22~33	18	96	111	55	0.72	0.76
M40×1.5C	NPT1 1/4C	25~32	28~41	18	103	118	67	1.02	1.06
M50×1.5A	NPT1 1/2A	19~25.5	22~33	20	98	113	55	1.17	1.22
M50×1.5B	NPT1 1/2B	25~32	28~41	20	105	120	67	1.11	1.16
M50×1.5C	NPT1 1/2C	31.5~39	36~52.6	20	128	143	73	1.37	1.42
M63×1.5A	NPT2A	25~32	28~41	21	106	121	67	1.35	1.40
M63×1.5B	NPT2B	31.5~39	36~52.6	21	129	144	73	1.28	1.34
M63×1.5C	NPT2C	46~65	46~65	21	116	131	89	1.44	1.42

Note: 1. Locknut and sealing washer (PTFE washer) are supplied for Ex e, n, t type products,

Without lock nut when delivery for Ex d type. Above weight is based on nickel plated brass material.

2. Earth lug and shroud are on request.

3. The standard pitch of metric thread products is 1.5mm, other pitches can be customized, please specify when ordering.