

Explosion - proof Cable Glands(Double Seal, Unarmoured)

KBM-09,10 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

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 unarmoured cables.
- External hexagon and stripe compression nuts are available.
- Can be installed on Ex i (intrinsic safety type) equipment.

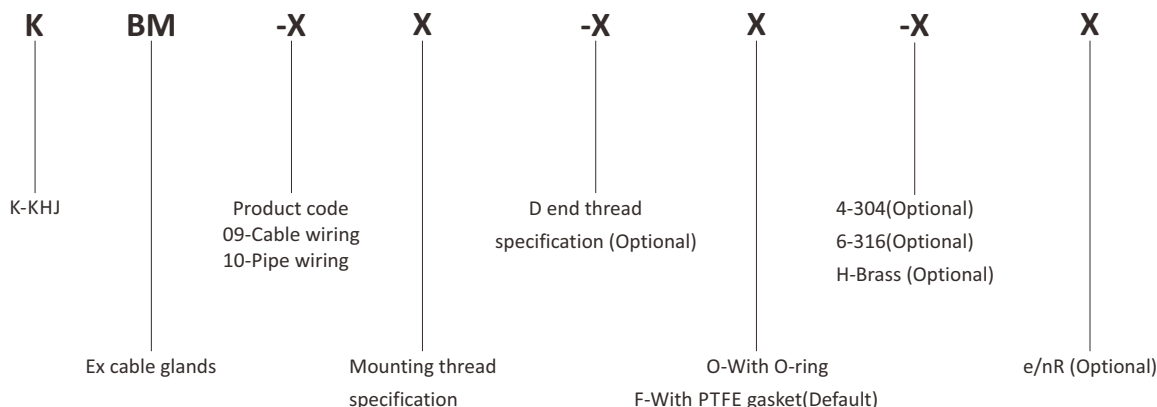


KBM-09



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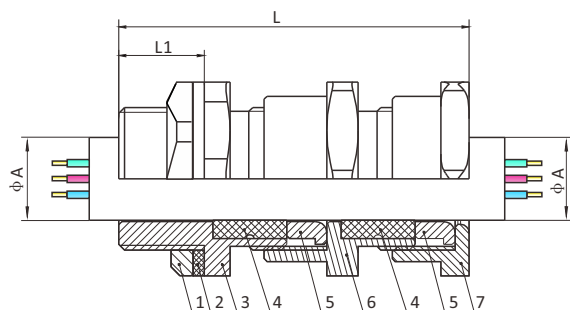
2. Product definition



3. Technical Parameter

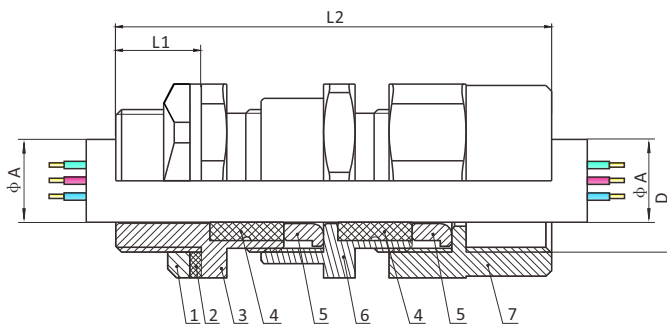
Explosion protection	Ex marking	 II 2 G Ex db IIC Gb	Ex db IIC Gb
		 II 2 G Ex eb IIC Gb	Ex eb IIC Gb
		 II 3 G Ex nR IIC Gc	Ex nR IIC Gc
		 II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Exectutive standards		IEC60079-0,IEC60079-1,IEC60079-7,IEC60079-15,IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-15, EN60079-31	
Material		Stainless steel, nickel plated brass, brass, etc.	
Degree of protection		IP66, IP67, IP68(2m/72h)	
Ambient temperature		-43°C~+120°C	
Connection thread		NPT thread, Metric thread (M)	

4. Outline and Installation (mm)



KBM-09

- 1.Locknut 2.Sealing washer 3.Inlet connector
4.Sealing ring 5.Washer 6.Middle connector
7.Compression nut



KBM-10

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Mounting thread		Cable outer diameter ϕA (mm)	Thread length L1(mm)	Length L(mm)	Length L2(mm)	Maximum outer diameter (mm)	KBM-09 Weight (kg)	KBM-10 Weight (kg)
M	NPT							
M16×1.5	—	3~8	16	88	103	27	0.10	0.11
M20×1.5A	NPT1/2A	3~8	16	88	103	27	0.12	0.12
M20×1.5B	NPT1/2B	6~11	16	88	103	27	0.10	0.14
M20×1.5C	NPT1/2C	10~14.5	16	88	103	33	0.12	0.14
M25×1.5A	NPT3/4A	6~11	16	88	103	33	0.15	0.17
M25×1.5B	NPT3/4B	10~14.5	16	92	107	33	0.15	0.17
M25×1.5C	NPT3/4C	13~20	16	99	114	39	0.16	0.18
M32×1.5A	NPT1A	10~14.5	16	92	107	39	0.25	0.28
M32×1.5B	NPT1B	13~20	18	101	116	39	0.25	0.28
M32×1.5C	NPT1C	19.5~25.5	18	109	124	50	0.27	0.30
M40×1.5A	NPT1 1/4A	13~20	18	101	116	50	0.55	0.58
M40×1.5B	NPT1 1/4B	19.5~25.5	20	111	126	50	0.50	0.54
M40×1.5C	NPT1 1/4C	25~32	20	119	134	60	0.60	0.64
M50×1.5A	NPT1 1/2A	19.5~25.5	20	111	126	60	0.79	0.84
M50×1.5B	NPT1 1/2B	25~32	20	119	134	60	0.69	0.74
M50×1.5C	NPT1 1/2C	32~43	20	125	140	73	0.86	0.91
M63×1.5A	NPT2A	25~32	20	119	134	73	0.86	0.92
M63×1.5B	NPT2B	32~43	22	127	142	73	0.84	0.90

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.