

Explosion-proof Cable Glands (Single Seal, Armoured)

KBM - 05,06 Series

 II 2 G Ex eb IIC Gb

 II 3 G Ex nR IIC Gc

 II 2 D Ex tb IIIC Db



KBM-05

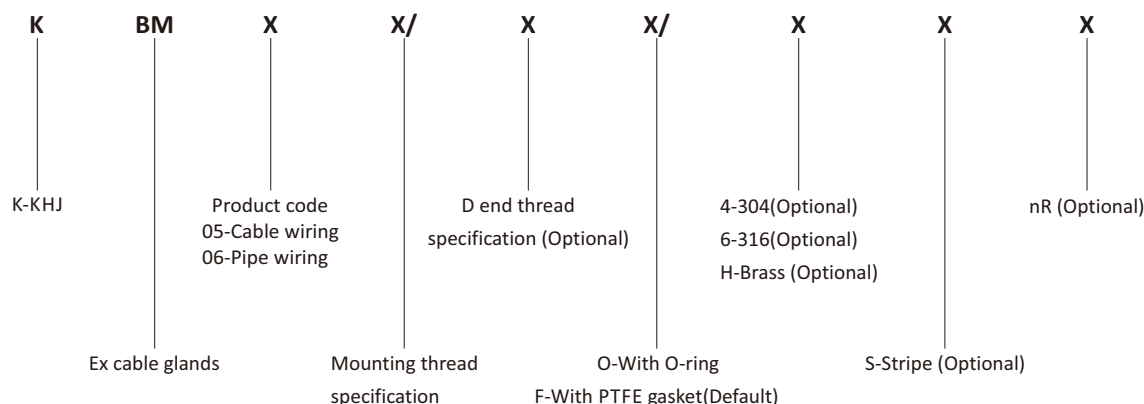


KBM-06

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
- Increased safety (Type 'e'), restricted breathing (Type 'nR'), combustible dust (Type 'tb') structure.
- Single seal for armoured cables.
- Can be installed on Ex i (intrinsic safety type) equipment.

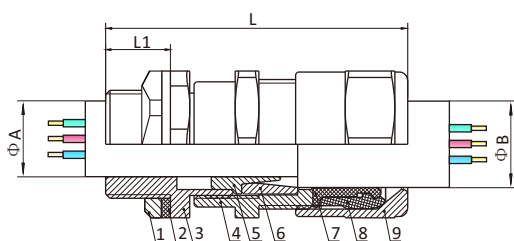
2. Product definition



3. Technical Parameter

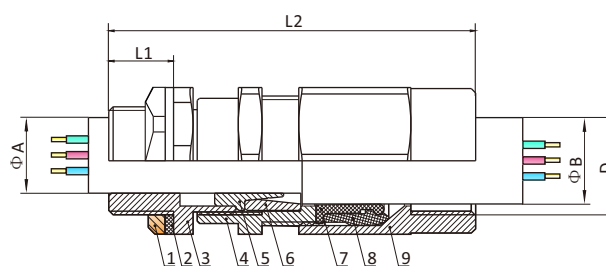
Explosion protection	Ex marking	 II 2 G Ex eb IIC Gb	Ex eb IIC Gb
		 II 3 G Ex nR IIC Gc	Ex nR IIC Gc
		 II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Exectutive standards		IEC60079-0,IEC60079-7,IEC60079-15,IEC60079-31 EN60079-0, EN60079-7, EN60079-15, EN60079-31	
Material		Stainless steel, nickel plated brass,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

4. Outline and Installation(mm)



KBM-05

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



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Mounting thread		Cable outer diameter (mm)		Thread length L1 (mm)	Length L (mm)	Length L2 (mm)	KBM-05 Weight (kg)	KBM-06 Weight (kg)
M	NPT	Outlet ϕ A	Inlet ϕ B					
M16 $\times$ 1.5A	—	3~8.2	5.5~12	15	68	83	0.16	0.17
M16 $\times$ 1.5	—	6.5~12	9.5~16	15	69	84	0.16	0.17
M20 $\times$ 1.5A	NPT1/2A	3~8.2	5.5~12	15	68	83	0.18	0.20
M20 $\times$ 1.5	NPT1/2	6.5~12	9.5~16	15	68	83	0.16	0.18
M20 $\times$ 1.5C	NPT1/2C	10~14.5	12.5~20.5	15	72.5	87.5	0.22	0.24
M25 $\times$ 1.5A	NPT3/4A	6.5~12	9.5~16	15	68	83	0.20	0.22
M25 $\times$ 1.5	NPT3/4	10~14.5	12.5~20.5	15	70.5	85.5	0.26	0.28
M25 $\times$ 1.5C	NPT3/4C	12.5~20.2	17~26	15	78.5	93.5	0.32	0.32
M32 $\times$ 1.5A	NPT1A	10~14.5	12.5~20.5	20	76.5	91.5	0.36	0.39
M32 $\times$ 1.5	NPT1	12.5~20.2	17~26	20	81.5	96.5	0.40	0.43
M32 $\times$ 1.5C	NPT1C	19.5~26.5	22~33	20	88	103	0.52	0.55
M40 $\times$ 1.5A	NPT11/4A	12.5~20.2	17~26	20	81.5	96.5	0.76	0.80
M40 $\times$ 1.5	NPT11/4	19.5~26.5	22~33	20	88	103	0.72	0.76
M40 $\times$ 1.5C	NPT11/4C	25~32.5	28~41	20	94.5	110	0.98	1.02
M50 $\times$ 1.5A	NPT11/2A	19.5~26.5	22~33	20	88	103	1.17	1.20
M50 $\times$ 1.5	NPT11/2	25~32.5	28~41	20	93.5	108.5	1.08	1.14
M50 $\times$ 1.5C	NPT11/2C	31.5~44.5	36~46	20	105	120	1.37	1.42
M50 $\times$ 1.5D	NPT11/2D	31.5~44.5	41~52.6	20	105	120	1.33	1.38
M63A	NPT2A	25~32.5	28~41	20	93.5	108.5	1.24	1.40
M63	NPT2	31.5~44.5	36~46	20	105	120	1.38	1.44
M63C	NPT2C	31.5~44.5	41~52.6	20	105	120	1.36	1.42

- Note:** 1. Locknut and sealing washer(PTFE gasket) are supplied as standard when delivery. 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.