

# Explosion - proof Cable Glands(Single Seal, Unarmoured)

## KBM-01,02 Series

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

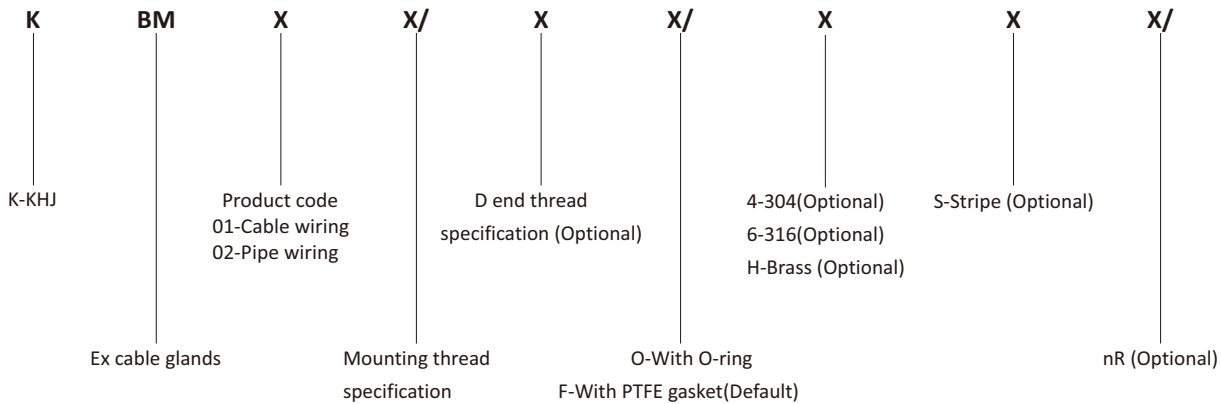


KBM-01



KBM-02

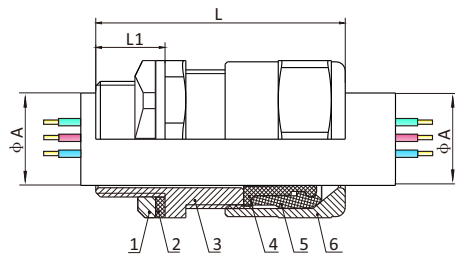
### 2. Product definition



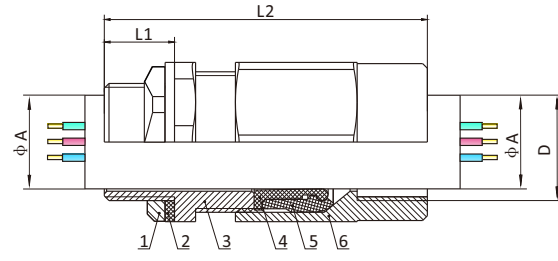
### 3. Technical Parameter

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
Executive 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-01



KBM-02

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

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Mounting thread		Cable outer diameter $\phi A$ (mm)	Thread length L1(mm)	Length L(mm)	Length L2(mm)	KBM-01 Weight (kg)	KBM-02 Weight (kg)
M	NPT						
M16×1.5	—	6.5~12	15	52.5	67.5	0.13	0.14
M20×1.5A	NPT1/2A	6.5~12	15	52.5	67.5	0.13	0.14
M20×1.5B	NPT1/2	9.5~14.5	15	52.5	67.5	0.11	0.13
M25×1.5A	NPT3/4A	9.5~16	15	52.5	67.5	0.15	0.17
M25×1.5B	NPT3/4	14.5~20.5	15	54.5	70	0.17	0.19
M32×1.5A	NPT1A	14.5~20.5	15	55.5	70	0.25	0.28
M32×1.5B	NPT1	20.5~26	15	58.5	73.5	0.23	0.26
M40×1.5A	NPT1 1/4A	20.5~26	15	58.5	73.5	0.60	0.63
M40×1.5B	NPT1 1/4	22~33	15	60	75	0.48	0.51
M50×1.5A	NPT1 1/2A	22~33	15	60	75	0.91	0.96
M50×1.5B	NPT1 1/2	28~41	15	66.5	81.5	0.75	0.79
M63×1.5A	NPT2A	30~41	15	66.5	81.5	0.78	0.85
M63×1.5B	NPT2	36~46	15	73	88	0.86	0.92
M63×1.5C	NPT2C	41~52.6	15	73	88	0.82	0.88

**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 for optional.

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