

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



KBM-09

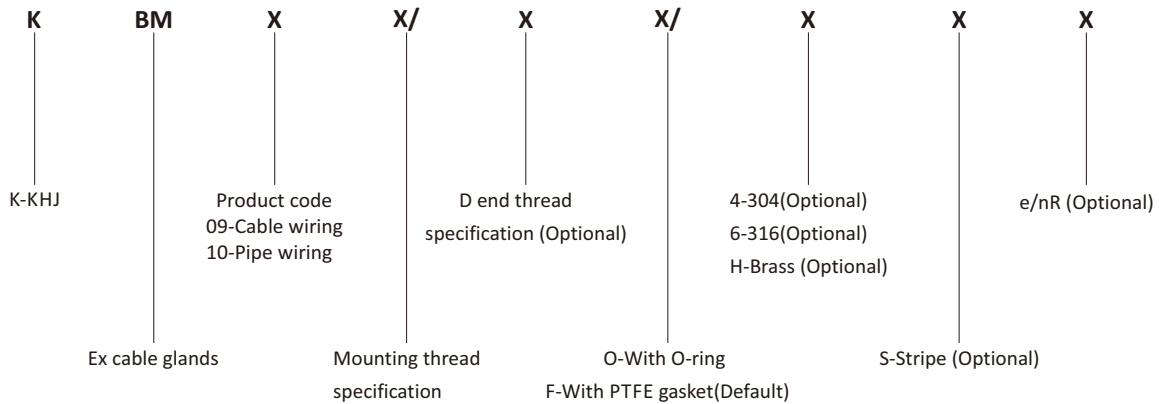


KBM-10

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.
- Can be installed on Ex i (intrinsic safety type) equipment.

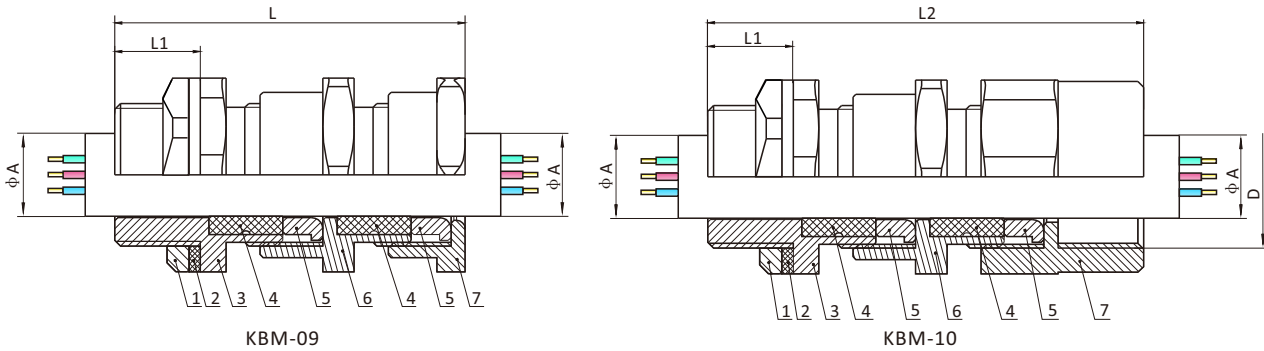
2. Product Definition



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
Executive 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)



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

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4.Sealing ring 5.Washer 6.Middle connector
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Mounting thread		Cable outer diameter ϕA (mm)	Thread length L1(mm)	Length L (mm)	Length L2 (mm)	KBM-09 Weight (kg)	KBM-10 Weight (kg)
M	NPT						
M16X1.5A	—	3~8.2	15	65	80	0.16	0.17
M16X1.5	—	6.5~12	15	66	81	0.15	0.16
M20X1.5A	NPT1/2A	3~8.2	15	65	80	0.16	0.18
M20X1.5	NPT1/2	6.5~12	15	65	80	0.15	0.17
M20X1.5C	NPT1/2C	10~14.5	15	63.5	78.5	0.19	0.21
M25X1.5A	NPT3/4A	6.5~12	15	65	80	0.19	0.21
M25X1.5	NPT3/4	10~14.5	15	61.5	76.5	0.24	0.26
M25X1.5C	NPT3/4C	12.5~20.2	15	68.5	83.5	0.26	0.28
M32X1.5A	NPT1A	10~14.5	20	66.5	81.5	0.32	0.35
M32X1.5	NPT1	12.5~20.2	20	71.5	86.5	0.35	0.38
M32X1.5C	NPT1C	19.5~26.5	20	75.5	90	0.52	0.55
M40X1.5A	NPT1 ¹ / ₄ A	12.5~20.2	20	71.5	86.5	0.63	0.67
M40X1.5	NPT1 ¹ / ₄	19.5~26.5	20	75.5	90.5	0.62	0.66
M40X1.5C	NPT1 ¹ / ₄ C	25~32.5	20	80.5	95	0.86	0.90
M50X1.5A	NPT1 ¹ / ₂ A	19.5~26.5	20	75.5	90.5	0.95	1.00
M50X1.5	NPT1 ¹ / ₂	25~32.5	20	79.5	94.5	0.95	1.00
M50X1.5C	NPT1 ¹ / ₂ C	31.5~44.5	20	95.5	110.5	1.26	1.31
M63A	NPT2A	29~34	20	79.5	94.5	1.08	1.14
M63	NPT2	41~46	20	95.5	110.5	1.25	1.31

- 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.