

Explosion-proof Cable Glands(Compound Barrier, Armoured, Unarmoured)

KBM-17,18 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-17

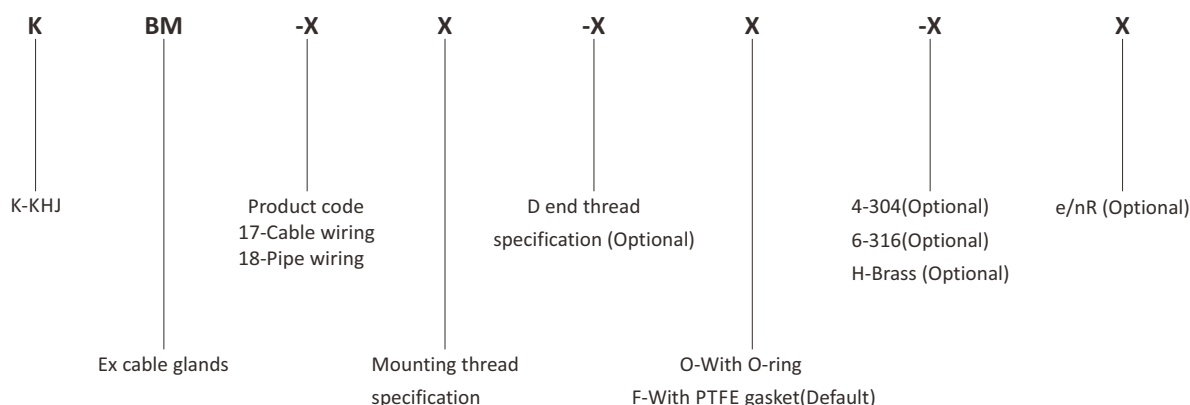


KBM-18

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

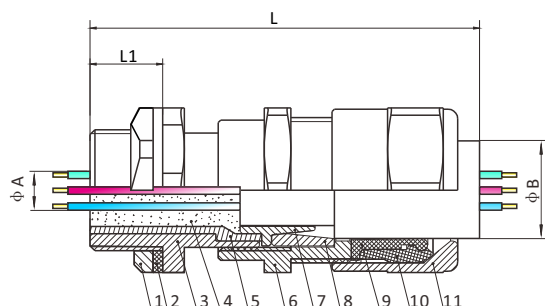
2. Product definition



3. Technical Parameter

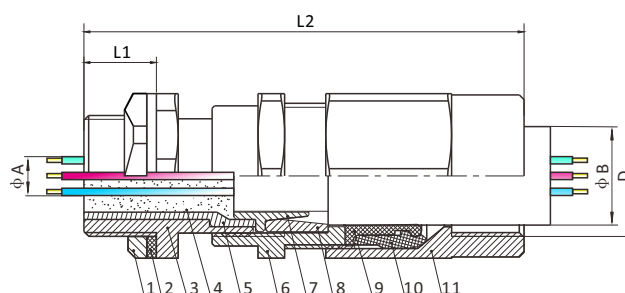
Explosion protection	Ex marking	 II 2 G Ex db IIC Gb	Ex db IIC Gb
		 II 2 G Ex eb IIC Gb	Ex eb IIC Gb
		 II 3 G Ex nR IIC Gc	Ex nR IIC Gc
		 II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Exectutive standards		IEC60079-0,IEC60079-1,IEC60079-7,IEC60079-15,IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-15, EN60079-31	
Material		Stainless steel, nickel plated brass, brass, etc.	
Degree of protection		IP66	
Ambient temperature		-43°C~+100°C, -60°C~+100°C (Please specify when ordering)	
Connection thread		NPT thread, Metric thread (M)	

4. Outline and Installation(mm)



KBM-17

- 1.Locknut 2.Sealing washer 3.Inlet connector
4.AB Type cement 5.Flame-proof sleeve 6.Middle connector
7.Armour cone 8.Clamping 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-17 Weight (kg)	KBM-18 Weight (kg)
M	NPT	Outlet Φ A	Inlet Φ B						
M16×1.5	—	<8	5.5~12	16	76	91	29	0.18	0.19
M20×1.5A	NPT1/2A	<11	5.5~12	16	76	91	29	0.18	0.19
M20×1.5B	NPT1/2B	<11	9.5~16	16	76	91	29	0.18	0.20
M20×1.5C	NPT1/2C	<15	12.5~20.5	16	76	91	37	0.18	0.19
M25×1.5A	NPT3/4A	<11	9.5~16	16	76	91	37	0.22	0.24
M25×1.5B	NPT3/4B	<15	12.5~20.5	16	76	91	37	0.28	0.30
M25×1.5C	NPT3/4C	<21	17~26	16	83	98	44	0.22	0.24
M32×1.5A	NPT1A	<15	12.5~20.5	16	76	91	44	0.36	0.39
M32×1.5B	NPT1B	<21	17~26	18	85	100	44	0.40	0.43
M32×1.5C	NPT1C	<27	22~33	18	91	106	55	0.36	0.39
M40×1.5A	NPT1 1/4A	<21	17~26	18	85	100	55	0.78	0.82
M40×1.5B	NPT1 1/4B	<27	22~33	18	91	106	55	0.72	0.76
M40×1.5C	NPT1 1/4C	<33	28~41	18	99	114	67	0.78	0.82
M50×1.5A	NPT1 1/2A	<27	22~33	18	91	106	67	1.15	1.20
M50×1.5B	NPT1 1/2B	<33	28~41	20	101	116	67	1.09	1.14
M50×1.5C	NPT1 1/2C	<42	36~52.5	20	122	137	73	1.15	1.20
M63×1.5A	NPT2A	<33	28~41	20	101	116	73	1.24	1.30
M63×1.5B	NPT2B	<42	36~52.5	21	123	138	73	1.44	1.50
M63×1.5C	NPT2C	<54.5	46~64	21	126	141	89	1.62	1.68

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.