

HLBM-09、10 Series Explosion-proof Cable Glands (Double Seal, Unarmoured)

1 Application and Features

- Explosion protection
 - IECEx(IEC)
 - ATEX (CENELEC、EN)
 - China Ex(GB)
- 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.



HLBM-09(Cable wiring)

2 Nomenclature

HLBM - □ □/□ □/□/□
 (1) (2) (3) (4) (5) (6) (7)

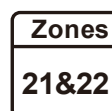
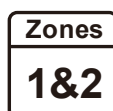
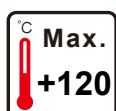
- (1) Ex cable glands
- (2) Product code: 09-Cable wiring
10-Pipe wiring
- (3) Mounting thread specification
- (4) D end thread specification (Optional)
- (5) O-With O-ring (Optional)
F-With PTFE gasket(Default)
- (6) 4-304(Optional)
6L-316L(Optional)
H57-Brass(Optional)
- (7) nR(Optional)



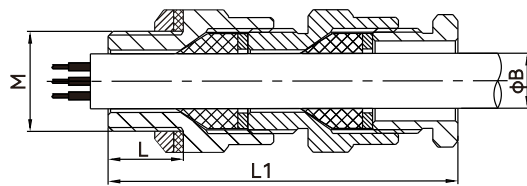
HLBM-10(Pipe wiring)

3 Technical Parameter

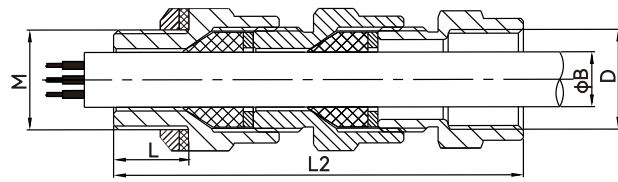
Explosion protection	Gas	II 2 G Ex db IIC Gb	Ex db IIC Gb
		II 2 G Ex eb IIC Gb	Ex eb IIC Gb
		II 3 G Ex nR IIC Gc	Ex nR IIC Gc
	Dust	II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Conformity to standards		IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-31 GB/T 3836.1, GB/T 3836.2, GB/T 3836.3, GB/T 3836.31	
Material		Stainless steel; Brass Ni-plated	
Degree of protection		IP66, IP67, IP68(2m/72h)	
Ambient temperature		-43°C~+120°C	
Connection thread		NPT thread, Metric thread (M), Inch thread (G, Non-Ex d)	



4 Outline and Installation Dimension



HLBM-09



HLBM-10

Thread Specification(M)			Code	Cable outer diameter ØB (mm)		M thread			Maximum outer diameter ø (mm)	HLBM-09 Weight (kg)	HLBM-10 Weight (kg)
M thread	G thread	NPT thread		Standard	Optional(K)	Thread length L(mm)	Length L1(mm)	Length L2(mm)			
M20×1.5	G1/2	NPT1/2	A	6.5~10.5	4~8	15	70	81.5	28.5		
M20×1.5	G1/2	NPT1/2	B	10~14.5	8~12	15	73.5	84	33		
M25×1.5	G3/4	NPT3/4	A	10~14.5	8~12	15	70.5	83	35		
M25×1.5	G3/4	NPT3/4	B	14.5~19.5	11~15.5	15	76.5	88.5	42		
M32×1.5	G1	NPT1	A	14.5~19.5	11~15.5	19	78	95	42		
M32×1.5	G1	NPT1	B	19~25.5	17~21.5	19	87	104	50		
M40×1.5	G1 1/4	NPT1 1/4	A	19~25.5	17~21.5	19	84	101	53.5		
M40×1.5	G1 1/4	NPT1 1/4	B	25~32	22~28	19	91	106	61		
M50×1.5	G1 1/2	NPT1 1/2	A	25~32	22~28	19	87	102.5	64		
M50×1.5	G1 1/2	NPT1 1/2	B	31.5~39	27.5~35	19	95.5	110	75		
M63×1.5	G2	NPT2	A	31.5~39	27.5~35	19	89	104	78		

Note: 1. G and M threads are normally supplied with lock nuts and sealing washers (PTFE washers), while NPT threads are not.

The above weights are for nickel-plated brass.

2. Earth lug and shroud are on request, see Page [D/25, 26](#).

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