

HLBM-01、02 Series Explosion-proof Cable Glands(Single 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
- 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.



HLBM-01(Cable wiring)

2 Nomenclature

HLBM - □ □/□ □/□/□

(1) (2) (3) (4) (5) (6) (7)

(1) Ex cable glands

(2) Product code: 01-Cable wiring

02-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)

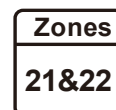
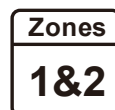
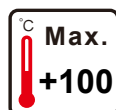
(7) nR(Optional)



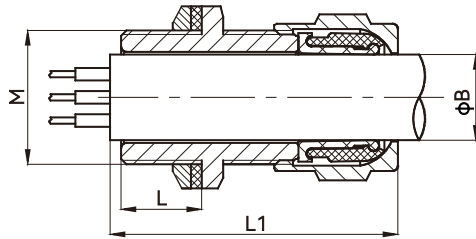
HLBM-02(Pipe wiring)

3 Technical Parameter

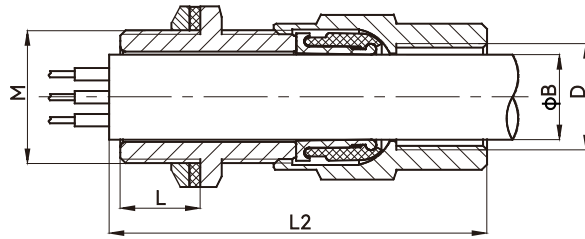
Explosion protection	Gas	Ex II 2 G Ex eb IIC Gb	Ex eb IIC Gb
		Ex II 3 G Ex nR IIC Gc	Ex nR IIC Gc
	Dust	Ex II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Conformity to standards		IEC60079-0, IEC60079-7, IEC60079-31 EN60079-0, EN60079-7, EN60079-31 GB/T 3836.1, GB/T 3836.3, GB/T 3836.31	
Material		Stainless steel; Brass Ni-plated	
Degree of protection		IP66	
Ambient temperature		-43°C~+100°C	
Connection thread		NPT thread, Metric thread (M), Inch thread (G, Non-Ex d)	



4 Outline and Installation Dimension



HLBM-01



HLBM-02

Thread Specification(M)			Code	Cable outer diameter ϕB (mm)	M thread			Maximum outer diameter ϕ (mm)	HLBM-01 Weight (kg)	HLBM-02 Weight (kg)
M thread	G thread	NPT thread			Thread length L(mm)	Length L1(mm)	Length L2(mm)			
M20×1.5	G1/2	NPT1/2	A	5.5~12	15	51	66	31		
M20×1.5	G1/2	NPT1/2	B	9~16	15	51	—	31		
M25×1.5	G3/4	NPT3/4	A	9~16	15	51	66	33		
M25×1.5	G3/4	NPT3/4	B	12.5~20.5	15	52	—	37		
M32×1.5	G1	NPT1	A	12.5~20.5	19	57	72	42		
M32×1.5	G1	NPT1	B	17~26	19	62	—	47		
M40×1.5	G1 1/4	NPT1 1/4	A	17~26	19	63	82	50		
M40×1.5	G1 1/4	NPT1 1/4	B	22~33	19	67	—	57		
M50×1.5	G1 1/2	NPT1 1/2	A	22~33	19	67	86	61		
M50×1.5	G1 1/2	NPT1 1/2	B	28~41	19	74	—	66		
M63×1.5	G2	NPT2	A	28~41	19	74	93	75		
M63×1.5	G2	NPT2	B	39~52.5	19	80	—	80		

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.