

HLBM-05、06 Series Explosion-proof Cable Glands (Single Seal, Armored)

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



HLBM-05(Cable wiring)

2 Nomenclature

HLBM - □ □/□ □/□/□

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

(1) Ex cable glands

(2) Product code: 05-Cable wiring

06-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)

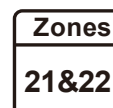
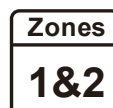
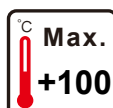
(7) nR(Optional)



HLBM-06(Pipe wiring)

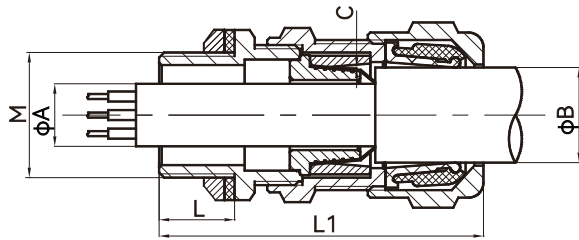
3 Technical Parameter

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)	

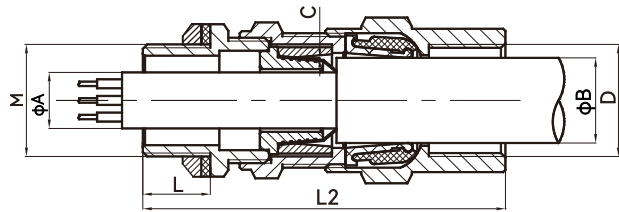


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4 Outline and Installation Dimension



HLBM-05



HLBM-06

Thread Specification(M)			Code	Cable outer diameter		Armored Braiding(C)		M thread			Maximum outer diameter φ (mm)	HLBM-05 Weight (kg)	HLBM-06 Weight (kg)
M thread	G thread	NPT thread		Diameter over Armor φA(mm)	Cable Diameter φB(mm)	Direction X(mm)	Direction W(mm)	Thread length L(mm)	Length L1(mm)	Length L2(mm)			
M20×1.5	G1/2	NPT1/2	A	<10.5	5.5~12	0.3~0.7	0.8~1.4	15	62	77	31		
M20×1.5	G1/2	NPT1/2	B	<10.5	9~16	0.3~0.7	0.8~1.4	15	62	77	31		
M20×1.5	G1/2	NPT1/2	C	<14.5	12.5~20.5	0.3~0.7	0.8~1.4	15	64	79	37		
M25×1.5	G3/4	NPT3/4	A	<10.5	9~16	0.3~0.7	0.8~1.4	15	62	77	33		
M25×1.5	G3/4	NPT3/4	B	<14.5	12.5~20.5	0.3~0.7	0.8~1.4	15	64	79	37		
M25×1.5	G3/4	NPT3/4	C	<19.5	17~26	0.3~0.9	1.0~1.7	15	69	88	47		
M32×1.5	G1	NPT1	A	<14.5	12.5~20.5	0.3~0.7	0.8~1.4	19	70	85	42		
M32×1.5	G1	NPT1	B	<19.5	17~26	0.3~0.9	1.0~1.7	19	74	93	47		
M32×1.5	G1	NPT1	C	<25.5	22~33	0.3~0.9	1.0~1.7	19	82	101	56.5		
M40×1.5	G1 1/4	NPT1 1/4	A	<19.5	17~26	0.3~0.9	1.0~1.7	19	74	93	50		
M40×1.5	G1 1/4	NPT1 1/4	B	<25.5	22~33	0.3~0.9	1.0~1.7	19	82	101	56.5		
M40×1.5	G1 1/4	NPT1 1/4	C	<31	28~41	0.3~1.0	1.0~2.0	19	90	109	66		
M50×1.5	G1 1/2	NPT1 1/2	A	<25.5	22~33	0.3~0.9	1.0~1.7	19	82	101	61		
M50×1.5	G1 1/2	NPT1 1/2	B	<31	28~41	0.3~1.0	1.0~2.0	19	90	109	66		
M50×1.5	G1 1/2	NPT1 1/2	C	<37	39~52.5	0.3~1.0	1.0~2.0	19	95	114	81		
M63×1.5	G2	NPT2	A	<31	28~41	0.3~1.0	1.0~2.0	19	90	109	75		
M63×1.5	G2	NPT2	B	<37	39~52.5	0.3~1.0	1.0~2.0	19	95	114	81		
M63×1.5	G2	NPT2	C	<49	47~61	0.3~1.5	1.5~2.7	19	107	126	94		

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.