



HLBM09, 10-Series Explosion-proof Cable Glands (Double Seal, Unarmoured)

1 Application and Features

- Explosion protection
 - CENELEC
 - IEC
 - EN
 - 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.
- External hexagon and stripe compression nuts are available.
- Can be installed on Ex i (intrinsic safety type) equipment.

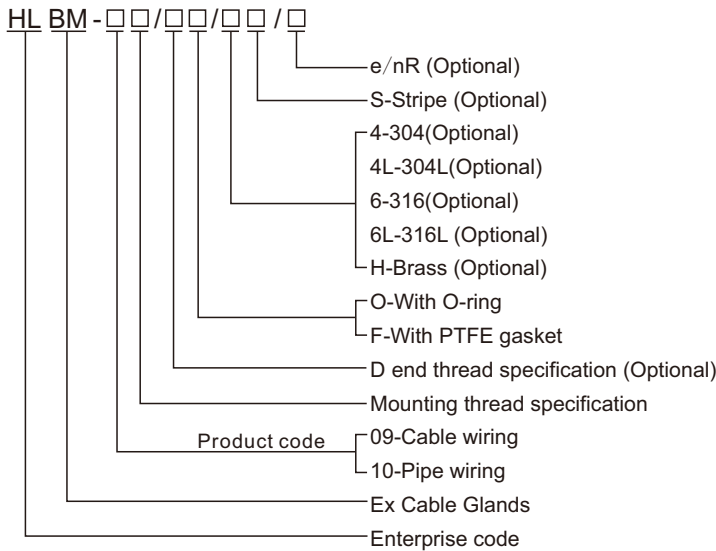


HLBM-09



HLBM-10

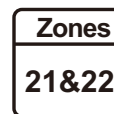
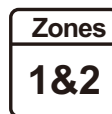
2 Formation of Marking



Note: Other materials on request.

3 Technical Parameter

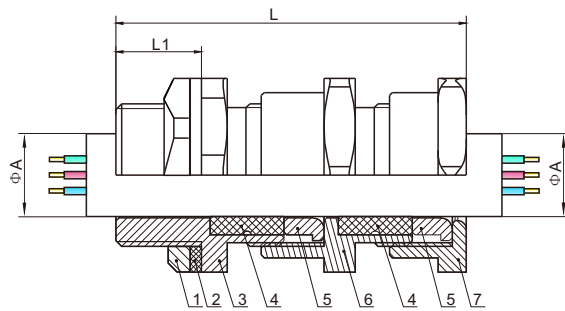
Explosion protection	Gas explosion protection	⊕ II 2 GEx db IIC Gb	Ex db IIC Gb	Ex d IIC Gb
		⊕ II 2 GEx eb IIC Gb	Ex eb IIC Gb	Ex e IIC Gb
		⊕ II 3 GEx nR IIC Gc	Ex nR IIC Gc	Ex nR IIC Gc
	Dust explosion protection	⊕ II 2 DEx tb IIIC Db	Ex tb IIIC Db	Ex tDA20 IP66/IP67/IP68
Conformity to standards		IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-15, IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-15, EN60079-31 GB3836.1, GB3836.2, GB3836.3, GB3836.8, GB12476.1, GB12476.5		
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), Inch thread (G, exclude Ex db type)		



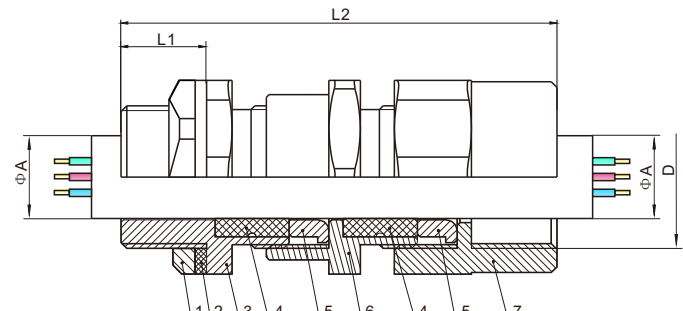


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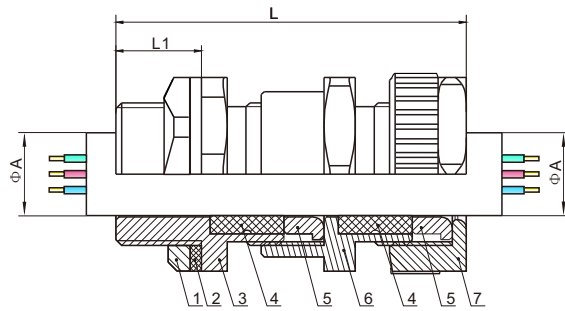
4 Structure Schematic View



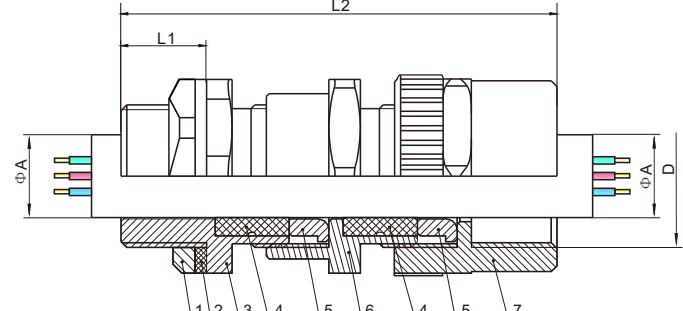
HLBM-09



HLBM-10



HLBM-09S



HLBM-10S

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

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

5 Selection Table

M	Mounting thread		Cable outer diameter ΦA (mm)	Thread length L1(mm)	Length L (mm)	Length L2 (mm)	HLBM-09 Weight (kg)	HLBM-10 Weight (kg)
	G	NPT						
M16×1.5A	—	—	3~8.2	15	65	80	0.16	0.17
M16×1.5	—	—	6.5~12	15	66	81	0.15	0.16
M20×1.5A	G1/2A	NPT1/2A	3~8.2	15	65	80	0.16	0.18
M20×1.5	G1/2	NPT1/2	6.5~12	15	65	80	0.15	0.17
M20×1.5C	G1/2C	NPT1/2C	10~14.5	15	63.5	78.5	0.19	0.21
M25×1.5A	G3/4A	NPT3/4A	6.5~12	15	65	80	0.19	0.21
M25×1.5	G3/4	NPT3/4	10~14.5	15	61.5	76.5	0.24	0.26
M25×1.5C	G3/4C	NPT3/4C	12.5~20.2	15	68.5	83.5	0.26	0.28
M32×1.5A	G1A	NPT1A	10~14.5	20	66.5	81.5	0.32	0.35
M32×1.5	G1	NPT1	12.5~20.2	20	71.5	86.5	0.35	0.38
M32×1.5C	G1C	NPT1C	19.5~26.5	20	75.5	90	0.52	0.55
M40×1.5A	G1 1/4A	NPT1 1/4A	12.5~20.2	20	71.5	86.5	0.63	0.67
M40×1.5	G1 1/4	NPT1 1/4	19.5~26.5	20	75.5	90.5	0.62	0.66
M40×1.5C	G1 1/4C	NPT1 1/4C	25~32.5	20	80.5	95	0.86	0.90
M50×1.5A	G1 1/2A	NPT1 1/2A	19.5~26.5	20	75.5	90.5	0.95	1.00
M50×1.5	G1 1/2	NPT1 1/2	25~32.5	20	79.5	94.5	0.95	1.00
M50×1.5C	G1 1/2C	NPT1 1/2C	31.5~44.5	20	95.5	110.5	1.26	1.31
M63A	G2A	NPT2A	29~34	20	79.5	94.5	1.08	1.14
M63	G2	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, but not supplied for Ex d type product as standard when delivery. Above weight is based on nickel plated brass material.
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.