



HLBM07, 08-Series Explosion-proof Cable Glands (Single 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.
- Single seal for unarmoured cables.
- External hexagon and stripe compression nuts are available.
- Can be installed on Ex i (intrinsic safety type) equipment.

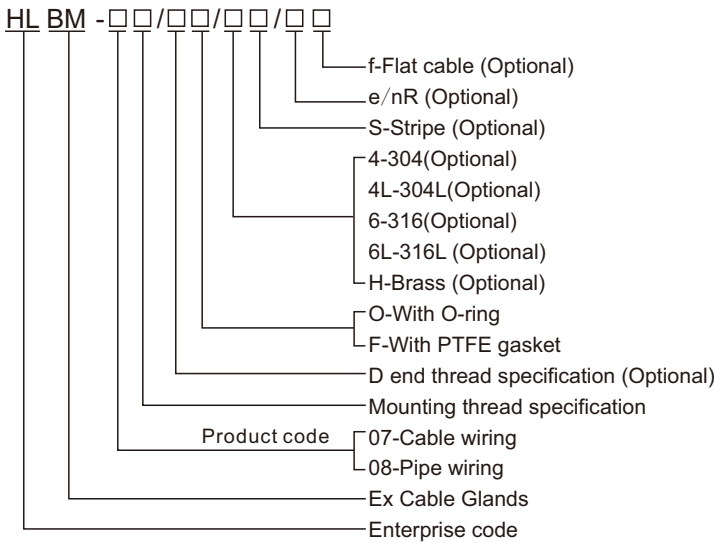


HLBM-07



HLBM-08

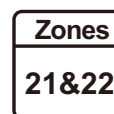
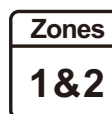
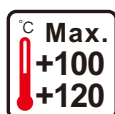
2 Formation of Marking



Note: Other materials on request.

3 Technical Parameter

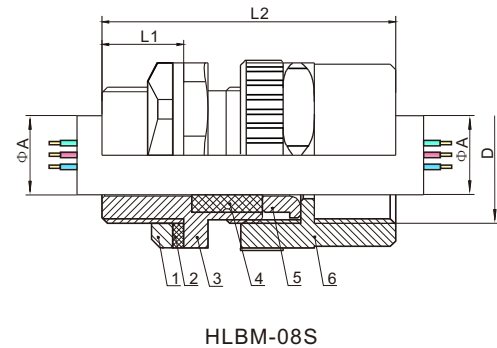
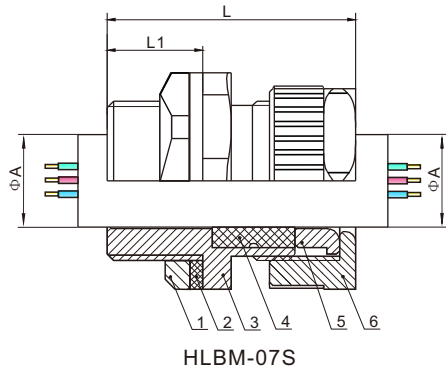
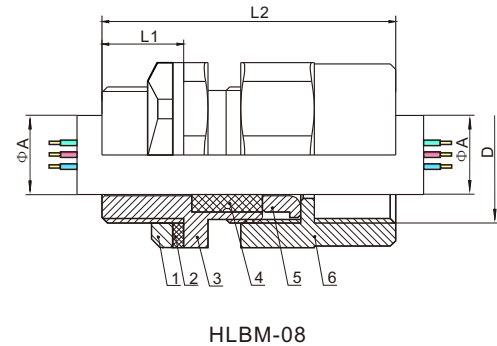
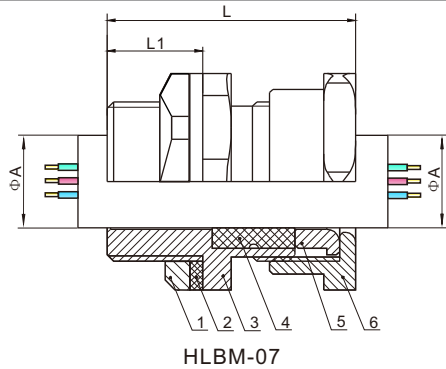
Explosion protection	Gas explosion protection	⊕ II 2 GEx db IIC Gb	Ex db IIC Gb	Ex d IIC Gb
	Dust explosion protection	⊕ II 2 GEx eb IIC Gb	Ex eb IIC Gb	Ex e IIC Gb
⊕ II 3 GEx nR IIC Gc		Ex nR IIC Gc	Ex nR IIC Gc	
⊕ II 2 DEx tb IIIC Db		Ex tb IIIC Db	Ex tD A20 IP66/IP67/IP68	
Conformity to standards	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~+100°C, -43°C~+120°C (F type)			
Connection thread	NPT thread, Metric thread (M), Inch thread (G, exclude Ex db type)			





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4 Structure Schematic View



- 1.Locknut 2.Sealing washer 3.Connector body
4.Sealing ring 5.Washer 6. Compression nut

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5 Selection Table

Mounting thread			Cable outer diameter Φ A(mm)	Flat cable (mm)			Thread length L1(mm)	Length L(mm)	Length L2(mm)	HLBM-07 Weight (kg)	HLBM-08 Weight (kg)
M	G	NPT		Outer diameter Φ A	L	L1					
M16×1.5A	—	—	4~8.2	—	—	—	15	42	57	0.10	0.11
M16×1.5	—	—	7~12	—	—	—	15	43	58	0.10	0.11
M20×1.5A	G1/2A	NPT1/2A	4~8.2	8×4	11.2×7.2	39 57	15	42	57	0.12	0.12
M20×1.5	G1/2	NPT1/2	6.5~12	8×4	11.2×7.2	39 57	15	42	57	0.10	0.14
M20×1.5C	G1/2C	NPT1/2C	10~14.5	12×3	15.2×6.2	40 57	15	42	57	0.12	0.14
M25×1.5A	G3/4A	NPT3/4A	6.5~12	8×4	11.2×7.2	38 57	15	42	57	0.15	0.17
M25×1.5	G3/4	NPT3/4	10~14.5	12×3	15.2×6.2	38 55	15	40	55	0.15	0.17
M25×1.5C	G3/4C	NPT3/4C	12.5~20.2	—	—	—	15	45	60	0.16	0.18
M32×1.5A	G1A	NPT1A	12~14.5	12×3	15.2×6.2	45 60	20	45	60	0.25	0.28
M32×1.5	G1	NPT1	12.5~20.2	—	—	—	20	48	63	0.25	0.28
M32×1.5C	G1C	NPT1C	19.5~26.5	—	—	—	20	52	67	0.27	0.30
M40×1.5A	G11/4A	NPT11/4A	14~20.2	—	—	—	20	48	63	0.55	0.58
M40×1.5	G11/4	NPT11/4	19.5~26.5	—	—	—	20	52	67	0.50	0.54
M40×1.5C	G11/4C	NPT11/4C	25~32.5	—	—	—	20	54	69	0.60	0.64
M50×1.5A	G11/2A	NPT11/2A	19.5~26.5	—	—	—	20	52	67	0.79	0.84
M50×1.5	G11/2	NPT11/2	25~32.5	—	—	—	20	53	68	0.69	0.74
M50×1.5C	G11/2C	NPT11/2C	31.5~43	—	—	—	20	61	76	0.86	0.91
M63A	G2A	NPT2A	25~34	—	—	—	20	53	68	0.86	0.92
M63	G2	NPT2	43~46	—	—	—	20	61	76	0.84	0.90

- 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.