



HLBM01, 02-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
- 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-01

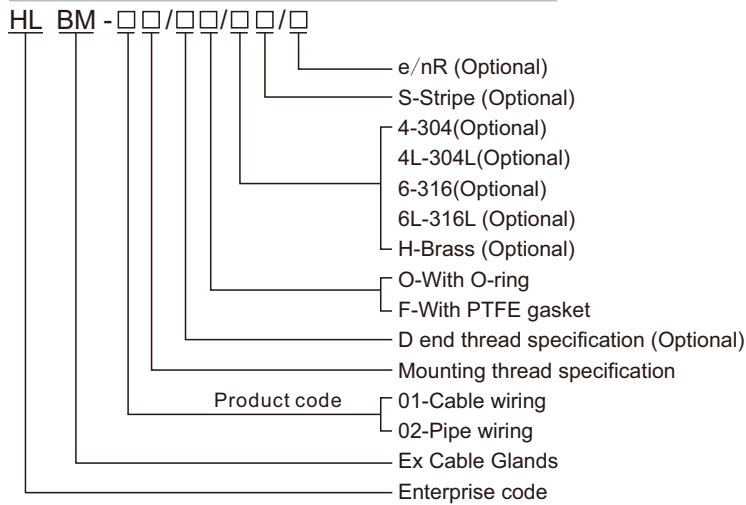


HLBM-01S



HLBM-02

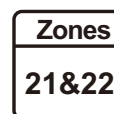
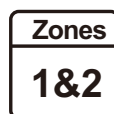
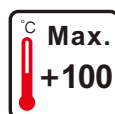
2 Formation of Marking



Note: Other materials on request.

3 Technical Parameter

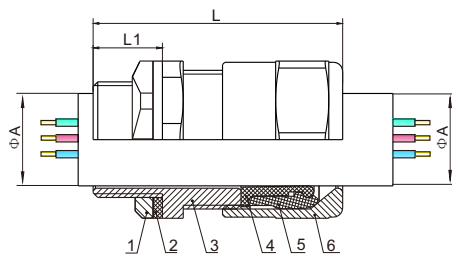
Explosion protection	Gas explosion protection	⊕ II 2 GEx eb IIC Gb	Ex eb IIC Gb	Ex e IIC Gb
	Dust explosion protection	⊕ II 3 GEx nR IIC Gc	Ex nR IIC Gc	Ex nR IIC Gc
		⊕ II 2 DEx tb IIIC Db	Ex tb IIIC Db	Ex tD A20 IP66
Conformity to standards	IEC60079-0, IEC60079-7, IEC60079-15, IEC60079-31 EN60079-0, EN60079-7, EN60079-15, EN60079-31 GB3836.1, GB3836.3, GB3836.8, GB12476.1, GB12476.5			
Material	Stainless steel, nickel plated brass, brass, etc.			
Degree of protection	IP66			
Ambient temperature	-43°C ~ +100°C			
Connection thread	NPT thread, Metric thread (M), Inch thread (G)			



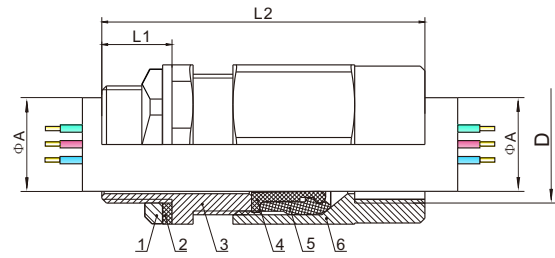


HLBM01, 02-Series Explosion-proof Cable Glands (Single Seal, Unarmoured)

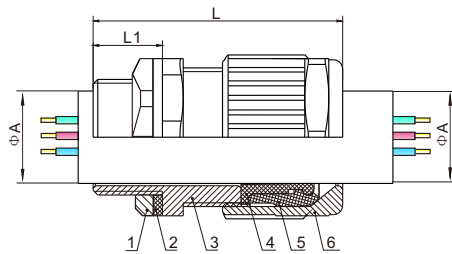
4 Structure Schematic View



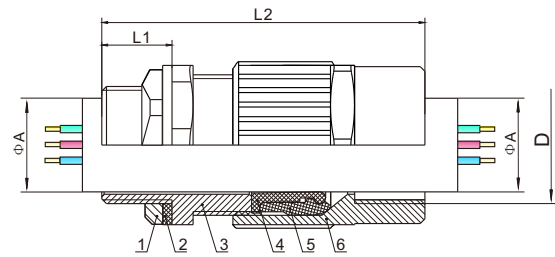
HLBM-01



HLBM-02



HLBM-01S



HLBM-02S

1.Locknut 2.Sealing washer 3.Inlet connector
4.Sealing ring 5.Plastic claw 6. Compression nut

1.Locknut 2.Sealing washer 3.Inlet connector
4.Sealing ring 5.Plastic claw 6. Compression nut

5 Selection Table

Mounting thread			Cable outer diameter ΦA (mm)	Thread length L1(mm)	Length L(mm)	Length L2(mm)	HLBM-01 Weight (kg)	HLBM-02 Weight (kg)
M	G	NPT						
M16×1.5	—	—	6.5~12	15	52.5	67.5	0.13	0.14
M20×1.5A	G1/2A	NPT1/2A	6.5~12	15	52.5	67.5	0.13	0.14
M20×1.5	G1/2	NPT1/2	9.5~14.5	15	52.5	67.5	0.11	0.13
M25×1.5A	G3/4A	NPT3/4A	9.5~16	15	52.5	67.5	0.15	0.17
M25×1.5	G3/4	NPT3/4	14.5~20.5	15	54.5	70	0.17	0.19
M32×1.5A	G1A	NPT1A	14.5~20.5	15	55.5	70	0.25	0.28
M32×1.5	G1	NPT1	20.5~26	15	58.5	73.5	0.23	0.26
M40×1.5A	G1 1/4A	NPT1 1/4A	20.5~26	15	58.5	73.5	0.60	0.63
M40×1.5	G1 1/4	NPT1 1/4	22~33	15	60	75	0.48	0.51
M50×1.5A	G1 1/2A	NPT1 1/2A	22~33	15	60	75	0.91	0.96
M50×1.5	G1 1/2	NPT1 1/2	28~41	15	66.5	81.5	0.75	0.79
M63×1.5A	G2A	NPT2A	30~41	15	66.5	81.5	0.78	0.85
M63×1.5	G2	NPT2	36~46	15	73	88	0.86	0.92
M63×1.5C	G2C	NPT2C	41~52.6	15	73	88	0.82	0.88

Note: 1. Locknut and sealing washer (PTFE gasket) are supplied 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.