

PRODUCT TYPE LT-C

Double Seal Barrier Gland featuring Peppers T-1000 Compound with Liquid Tight Connector for Flexible Metallic Conduit

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68



PRODUCT DESCRIPTION

"LT-C" type glands are certified Flameproof Ex db, Increased Safety Ex eb and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIIC. Occasionally referred to as "potting glands", they provide a compound barrier Ex db & IP seal on the cable inner cores, eliminating damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 & IP68 to 100 metres. The gland incorporates a connection for liquid tight flexible metallic conduit and features the Peppers T-1000 sealing compound that enables a quick and easy installation.

COMPLIANCE STANDARDS:

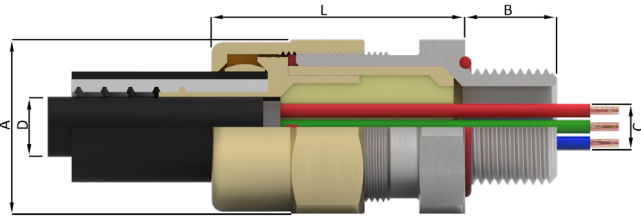
EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529

CERTIFICATION:

UKEX	I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIC Da II 3G Ex nR IIC Gc
ATEX	I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIC Da II 3G Ex nR IIC Gc
IECEX	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
EAC	PB Ex d I Mb / 1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIC Da X
INMETRO - Brazil	Ex db I Mb / Ex eb I Mb / Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIC Da
CCC - China	Ex d I Mb / Ex d IIC Gb / Ex e I Mb / Ex e IIC Gb / Ex nR IIC Gc / Ex tD A20
UKRAINE	I M2 Ex db I Mb / II 2G Ex db IIC Gb / II 2G Ex eb I Mb / II 2G Ex eb IIC Gb II 1D Ex ta IIC Da
CCoE - India	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc
ABS	Specified ABS Rules
LLOYD'S	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da

CERTIFICATION No.:

UKEX	CML 21UKEX1034X & CML 21UKEX4037X
ATEX	CML 19ATEX1171X & CML 19ATEX4114X
IECEX	IECEX CML 19.0049X
EAC	RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 16.0275 X
CCC - China	2021312313000426
UKRAINE	CLJ 18.0324 X
CCoE - India	PESO P494321/16 & P494321/20
ABS	20-LD1944057-PDA
LLOYD'S	LR2124442TA



EXAMPLE PART NUMBERING:

LT-C	Gland featuring Peppers T-1000 Compound and connection for liquid tight flexible metallic conduit
B	Brass (B) / Stainless Steel (S)
K-V-H	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
T	Including Earth Tag
S	Including Serrated Washer
1	Quantity per kit
NP	Nickel Plated
20-1	Gland and Conduit Connection Size
M20	M20 x 1.5 Male Entry Thread

OPTIONAL ACCESSORIES:

LOCKNUT	Brass (ACBLN) / Stainless Steel (ACSLN)
EARTH TAG	Brass (ACBET) / Stainless Steel (ACSET)
IP WASHERS	Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
SERRATED WASHERS	Stainless Steel (ACSSW)

IP RATING:	IP66 & IP68 (100 metres - 7 Days) & DTS01:1991
OPERATING TEMP:	-60°C to +135°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel
COMPOUND:	Peppers T-1000 Sealing Compound

CURING TIME:

@ 21°C Conductor termination can be effected after 1 hour.
The equipment can be energised after 4 hours.

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland & Connection Size	Standard Entry Thread Size		Metric Thread Length [B]	Cable Acceptance Details [C]			Conduit Data [D]		Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)		
	Metric	NPT		Max No. of Cores	Max Ø Over Cores [C]	Max Cable Inner Sheath Ø	Typical Conduit I/D	Max Conduit O/D		Across Flats [A]	Across Corners	Weight (Kgs)
20S-1	M20 x 1.5	1/2" or 3/4"	16	9	5.0	5.0	6.2 - 7.1	11.4 - 12.9	45.0	25.4	28.0	0.180
20S-2	M20 x 1.5	1/2" or 3/4"	16	20	7.8	7.8	9.8 - 10.3	14.2 - 15.6	44.0	25.4	28.0	0.177
20-1	M20 x 1.5	1/2" or 3/4"	16	35	10.4	10.4	12.1 - 13.0	17.0 - 19.1	44.0	30.0	33.0	0.217
20-2	M20 x 1.5	1/2" or 3/4"	16	40	12.5	13.3	15.8 - 16.3	20.8 - 22.3	42.0	30.0	33.0	0.218
25-1	M25 x 1.5	3/4" or 1"	16	60	17.8	18.0	20.8 - 21.3	26.0 - 27.8	46.0	41.3	45.4	0.364
32-1	M32 x 1.5	1" or 1 1/4"	16	80	23.5	23.6	26.0 - 27.1	32.7 - 34.5	54.0	46.0	50.6	0.482
40-1	M40 x 1.5	1 1/4" or 1 1/2"	16	130	28.8	31.8	34.8 - 35.8	41.1 - 43.3	57.0	55.0	60.5	0.706
50-1	M50 x 1.5	2"	16	200	35.2	37.0	40.0 - 40.6	47.3 - 49.4	66.0	65.0	71.5	0.989
63-1	M63 x 1.5	2 1/2"	19	300	48.0	48.0	50.5 - 51.9	59.4 - 61.4	67.0	80.0	88.0	1.410
75-1	M75 x 1.5	3"	19	325	59.3	59.3	62.9 - 63.9	72.1 - 74.1	67.0	98.8	108.7	1.945
75-2	M75 x 1.5	3"	19	425	60.8	68.0	77.9 - 78.7	87.8 - 90.0	67.0	104.7	115.2	2.338

NOTES

- Gland size does not necessarily equate to the entry thread size.
- All brass entry threads are Nickel Plated as standard.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to general machining techniques and parts will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- It is the installer's responsibility to ensure that the conduit is secured correctly.
- If fit testing is required for specific conduit please contact Peppers.
- When selecting IP Washer & Shroud material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- The gland is supplied with the correct amount of the two-part compound, gloves and instructions to allow one complete termination.
- Where approval in addition to UKEX, ATEX and IECEX is required, this must be clearly requested at time of enquiry / order.