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Cable Gland Type A*LC - (Single Compression Conduit Gland)

Ex d : Ex e : Ex nR : Ex tD A21 : IP66 : IP68

Part Numbers:

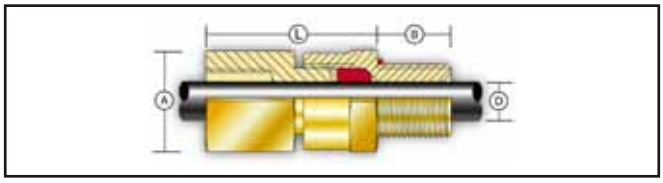
A	2	L	CF	B	F
	3		CM	S	
				A	

"A*LCF" type glands, certified Flameproof Ex d, Increased Safety Ex e & Restricted Breathing Ex nR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB and IIC. They provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 & IP68 to 25 metres and is deluge proof without the use of an additional seal or deluge boot. It is supplied with an IP O-ring seal as standard on metric entry threads. The gland features a female conduit connection thread as standard with an option for a male connection thread.

Compliance Standard: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 61241-0, EN 61241-1
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1 & IEC 60529

Certification:	ATEX	II 2 GD Ex d IIC / Ex e II / Ex tD A21 II 3 GD Ex nR II
	IECEx	Ex d IIC / Ex e II / Ex tD A21
	GOST-R	Ex d IICU / Ex e IIU
	CSA	Ex d IIC / Ex e II Class I Zone 1 Class I Division 2, Groups A, B, C & D Class II Division 2, Groups E, F & G Class III, Enclosure Types 3, 4 & 4X
	NEPSI	Ex d IIC / Ex e II
	INMETRO	BR - Ex d IIC / Ex e II / Ex nR II / Ex tD A21
	ABS	1-1-4/7.7, 4.8-3/1.7, 4-8-3/13 and 4-8-4/27.5 MODU Rules 4-3-3/9
	LLOYD'S	Enclosure Systems (Part 1B)
	RMRS	Part XI of Rules for sea-going ships (ed.2008)
Certificate No.	ATEX	SIRA 01ATEX1272X & SIRA 09ATEX1221X
	IECEx	SIR 07.0096X
	GOST-R	POCC GB.ГБ06.B00853
	CSA	CSA 1356011
	NEPSI	GYJ06186X
	INMETRO	NCC 5879/09 X
	ABS	09-LD463991-PDA
	LLOYD'S	10/00056
	RMRS	09.00784.011

IP Rating: IP66 & IP68 (25 metres - 30 minutes), NEMA 4X & DTS01 1991
Operating Temperature: Neoprene Seals -20ºC to +85ºC
Silicone Seals -60ºC to +180ºC
Materials: Brass, Stainless Steel or Aluminium
Plating: Nickel - Zinc



Example Part Numbering (See below for details) A2LCFBF050NPT/NP/20/M20

A	Type of gland featuring controlled displacement sealing
2	Neoprene Seals (2) - Silicone (3)
L	Peppers Lightweight Design
CF	Female Conduit Connection Thread (CF) / Male Thread Option (CM)
B	Brass (B) / Stainless Steel (S) / Aluminium (A)
F	Multiple Certification
050NPT	1/2"NPT Female Conduit Connection Thread
NP	Nickel Plated (NP) - Zinc Plated (ZP)
20	Gland shell size
M20	M20 x 1.5 Entry Thread

Optional Accessories	Locknut	Brass (ACBLN) / Stainless Steel (ACSLN)
	Earth tag	Brass (ACBET) / Stainless Steel (ACSET)
	IP Washers	Nylon (ACNSW) / Fibre (ACFSW)
	Serrated Washers	Stainless Steel (ACSSW)

CABLE GLAND SELECTION TABLE

Gland Size	Entry Thread Size		ISO Thread Length [B]	Conduit Connection Thread		Cable Acceptance Outer Sheath [D]		Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions) Across Flats	Across Corners [A]	Weight Kgs (Metric)	Metric Thread Shroud Size
	Metric	NPT		Metric	NPT	Min	Max					
16	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	4.0	8.4	50	25.4	28.0	0.181	n/a
20S	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	7.2	11.7	55	25.4	28.0	0.282	n/a
20	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	9.4	14.0	55	30.0	33.0	0.390	n/a
25	M25 x 1.5	3/4" or 1"	16	M25 x 1.5	3/4" or 1"	13.5	20.0	55	37.6	41.4	0.570	n/a
32	M32 x 1.5	1" or 1 1/4"	16	M32 x 1.5	1" or 1 1/4"	19.5	26.3	55	46.0	50.6	0.570	n/a
40	M40 x 1.5	1 1/4" or 1 1/2"	16	M40 x 1.5	1 1/4" or 1 1/2"	23.0	32.2	55	55.0	60.5	0.876	n/a
50S	M50 x 1.5	1 1/2" or 2"	16	M50 x 1.5	1 1/2" or 2"	28.1	38.2	58	65.0	71.5	1.196	n/a
50	M50 x 1.5	2"	16	M50 x 1.5	2"	33.1	44.1	58	65.0	71.5	1.002	n/a
63S	M63 x 1.5	2" or 2 1/2"	19	M63 x 1.5	2" or 2 1/2"	39.2	50.1	58	80.0	88.0	1.822	n/a
63	M63 x 1.5	2 1/2"	19	M63 x 1.5	2 1/2"	46.7	56.0	58	80.0	88.0	1.556	n/a
75S	M75 x 1.5	2 1/2" or 3"	19	M75 x 1.5	2 1/2" or 3"	52.1	62.0	58	90.0	99.0	1.924	n/a
75	M75 x 1.5	3"	19	M75 x 1.5	3"	58.0	68.0	58	90.0	99.0	1.786	n/a
80	M80 x 2	3" or 3 1/2"	25	M80 x 2	3" or 3 1/2"	62.2	72.0	75	104.0	115.2	3.013	n/a
85	M85 x 2	3" or 3 1/2"	25	M85 x 2	3" or 3 1/2"	69.0	78.0	75	104.0	115.2	2.865	n/a
90	M90 x 2	3 1/2" or 4"	25	M90 x 2	3 1/2" or 4"	74.0	84.0	75	114.0	125.7	3.000	n/a
100	M100 x 2	3 1/2" or 4"	25	M100 x 2	3 1/2" or 4"	82.0	90.0	75	114.0	125.7	2.657	n/a

All dimensions in mm

Notes:

* Gland size does not necessarily equate to the entry thread size. Gland size 16 is also available with an M16 x 1.5 entry thread.
* The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
* Please ensure that the IP O-ring is not used in conjunction with a flat IP washer.
* Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
* Where glands are fitted into non-metallic Ex e enclosures they must be included within the earth circuit of the system.
* The user should seek expert advice if intending to combine flammable and combustible dust in one environment/installation.
* Assembly instructions must be read prior to installation and adhered to in full.
* Peppers supplies cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and will not have a full form thread for the entire length. Peppers will not be held responsible for clients' installations where this has not been taken into account.
* To maintain the specified IP rating, clearance holes must be in accordance with EN 50262 Table 1 and the entry device should be suitably secured.