

Single Compression Gland for Armoured and Unarmoured Flat Cable, featuring a Rotating Flexible Metallic Conduit Connector

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



PRODUCT DESCRIPTION

"A8RC" type glands are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR 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. Developed for flat cables, they provide controlled Ex db sealing and have been tested to IP66 and IP68 to 50 metres. The "A8RC" version is designed to accommodate unarmoured and armoured cables where sealing and retention is required only on the outer sheath. The gland features a rotating flexible metallic conduit connection.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529

CERTIFICATION:

UKEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
	II 3G Ex nR IIC Gc
ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
	II 3G Ex nR IIC Gc
IECEX	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
EAC	1Ex db IIC Gb X / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X
INMETRO - Brazil	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
CCC - China	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
UKRAINE	II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da
CCoE - India	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
ECAS-Ex	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
ABS	Specified ABS Rule
LLOYD'S	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
DNV	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

CERTIFICATION No:

UKEX	CML 21UKEX1033X & CML 21UKEX4043X
ATEX	CML 19ATEX1346X & CML 19ATEX4109X
IECEX	IECEX CML 19.0104X
EAC	RU C-GB.AXK58.B.05106/24
INMETRO - Brazil	NCC 13.2187 X
CCC - China	2021312313000447
UKRAINE	CLJ 18.0321 X
CCoE - India	PESO P494321/7 & P494321/13
ECAS-Ex	25-06-153223/E25-06-159811/NB0007
ABS	25-01581110-PDA
LLOYD'S	LR2124442TA
DNV	TAE00004XK

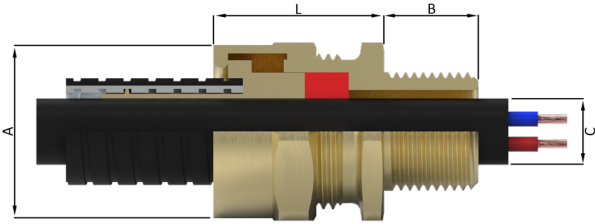
CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Outer Sheath [D]				Typical Conduit Dia		Nominal Protrusion Length [L]	Dimensions/Weight (Metric)		
				Width		Thickness							
	Metric	NPT		Min	Max	Min	Max	I/D	Max O/D		Across Flats [A]	Across Corners	Weight (Kgs)
20S-1	M20 x 1.5	1/2" or 3/4"	16	6.3	11.2	4.0	7.0	13.0	171	31	30.0	33.0	0.117
20S-2	M20 x 1.5	1/2" or 3/4"	16	6.3	11.7	4.0	7.0	15.0	19.3	31	30.0	33.0	0.125
20S-3	M20 x 1.5	1/2" or 3/4"	16	6.3	11.7	4.0	7.0	16.9	21.5	31	30.0	33.0	0.117
20-1	M20 x 1.5	1/2" or 3/4"	16	10.3	11.2	5.6	9.0	13.0	171	31	30.0	33.0	0.117
20-2	M20 x 1.5	1/2" or 3/4"	16	10.3	13.5	5.6	9.0	15.0	19.3	31	30.0	33.0	0.125
20-3	M20 x 1.5	1/2" or 3/4"	16	10.3	13.5	5.6	9.0	16.9	21.5	31	30.0	33.0	0.117
20R-1	M20 x 1.5	1/2" or 3/4"	16	8.1	11.2	5.8	6.2	13.0	171	32	30.0	33.0	0.118
20R-2	M20 x 1.5	1/2" or 3/4"	16	8.1	13.5	5.8	6.2	15.0	19.3	32	30.0	33.0	0.126
20R-3	M20 x 1.5	1/2" or 3/4"	16	8.1	13.5	5.8	6.2	16.9	21.5	32	30.0	33.0	0.118
*25-1	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	16.9	23.8	31	37.6	41.4	0.164
*25-2	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	18.7	24.8	31	37.6	41.4	0.175
*25-3	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	21.1	26.8	31	37.6	41.4	0.178
*25-4	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	20.7	27.8	31	37.6	41.4	0.185

NOTES

- Gland size does not necessarily equate to the entry thread size.
- 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.

PRODUCT TYPE A8RC



EXAMPLE PART NUMBERING:
A8RCBF/NP/20-1/M20

OPTIONS	A	Gland designed for use with Unarmoured Cables
	8	Silicone Seal for Flat Cable
	RC	Rotating Metallic Flexible Conduit Connector
	B	Brass (B) / Stainless Steel (S)
	F	Multiple Certification
	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 shell size	
M20	M20 x 1.5 Male Entry Thread	

OPTIONAL ACCESSORIES:

LOCKNUT (L)	Brass (ACBLN) / Stainless Steel (ACSLN)
EARTH TAG (T)	Brass (ACBET) / Stainless Steel (ACSET)
IP WASHERS	Nylon (N) / Fibre (J) / PTFE (Z)
SERRATED WASHERS	Stainless Steel (S)

IP RATING:	IP66 & IP68 (50 metres - 7 Days)
OPERATING TEMP:	Silicone Seals -60°C to +180°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel