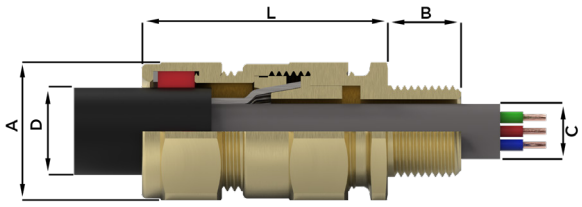
PRODUCT TYPE C*U

Single Compression Gland for Armoured Cable featuring Peppers Multi-armour clamping system

Ex eb : Ex ta : IP66



PART NUMBERS:

C	1	U	B	*	E	*
	3		S	IE		R

New Product

PRODUCT DESCRIPTION

"C*U" type single compression glands are certified 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. The gland is suitable for cables that exhibit "cold flow" characteristics, whilst providing an IP66 environmental seal on the cable outer sheath and Peppers multi-armour clamping system for wire, braid and tape armoured cables. The "IE" version allows the gland to be used with HV cables where the fault load is greater than 10.4kA and options are available for use with LSOH cables and extreme temperature applications.

COMPLIANCE STANDARDS:

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

CERTIFICATION:

ATEX	II 1D 2G Ex eb IIC Gb / Ex ta IIIC Da
IECEx	Ex eb IIC Gb / Ex ta IIIC Da

CERTIFICATION No:

ATEX	CML 19ATEX1106X
IECEx	IECEx CML 19.0031X

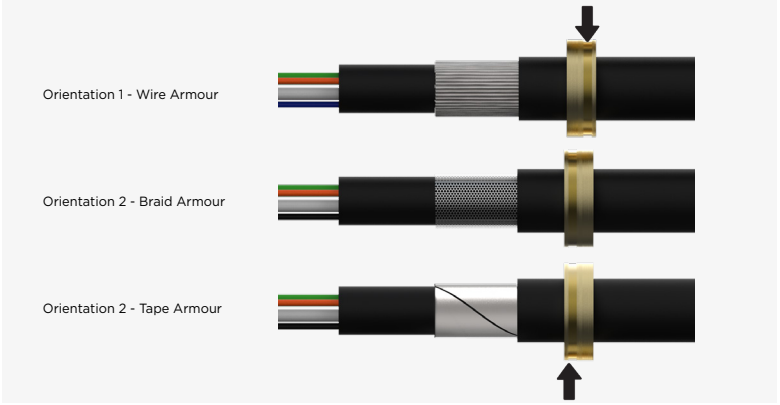
EXAMPLE PART NUMBERING: C1UBE/NP/20/050NPT

C		Gland featuring Peppers Multi-armour clamping system
1		Neoprene Seal (1) - Silicone Seal (3)
U		SWA / SWB or STA
B		Brass (B) / Stainless Steel (S)
IE		Integral Earth (see page 43)
E		Ex e & Ex ta Certification
OPTIONS	**R**	Reduced Bore Seal
	C	PVC Shroud (C) - PCP Shroud (P) - LSOH Silicone Shroud (3)
	K-V-H	Locknut, Earth Tag & Nylon (K), Fibre (V) or PTFE (H) IP Washer
	S	Including Serrated Washer
	1	Quantity per kit
	NP	Nickel Plated
20		Gland shell size
050NPT		1/2"NPT 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)
SHROUDS	PVC (ACSPVC) / PCP (ACSPCP) / LSOH Silicone (ACSSIO)

IP RATING:	IP66
OPERATING TEMP:	Neoprene Seals -35°C to +90°C
	Silicone Seals -60°C to +180°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel



CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland size	Entry Thread Size		Metric Thread Length [B]	Cable Acceptance Details						Armour Acceptance Range		Nominal Protrusion Length [L]	Dimensions/Weight (Metric)			Shroud Size (Metric)
				Inner Sheath [C]		Outer Sheath [D]		Reduced [D]								
	Metric	NPT		Min	Max	Min	Max	Min	Max	Orientation 1	Orientation 2		Across Flats [A]	Across Corners	Weight Kgs	
16	M16 x 1.5	3/8" or 1/2"	16	N/A	8.4	8.4	13.5	4.9	10.0	0.80-1.25	0.20-0.80	58	24.0	26.5	0.143	L24
16	M20 x 1.5	1/2" or 3/4"	16	N/A	8.4	8.4	13.5	4.9	10.0	0.80-1.25	0.20-0.80	58	24.0	26.5	0.154	L24
20S	M20 x 1.5	1/2" or 3/4"	16	N/A	11.7	11.5	16.0	9.4	12.5	0.80-1.25	0.20-0.80	58	24.0	26.5	0.125	L24
20	M20 x 1.5	1/2" or 3/4"	16	N/A	14.0	15.5	21.1	12.0	17.6	0.80-1.25	0.20-0.80	58	30.0	33.0	0.180	L30
25	M25 x 1.5	3/4" or 1"	16	N/A	20.0	20.3	27.4	16.8	23.9	1.25-1.60	0.20-0.80	58	37.6	41.4	0.256	L38
32	M32 x 1.5	1" or 1 ¼"	16	N/A	26.3	26.7	34.0	23.2	30.5	1.60-2.00	0.30-1.20	65	46.0	50.6	0.400	L46
40	M40 x 1.5	1 ¼" or 1 ½"	16	N/A	32.2	33.0	40.6	28.6	36.2	1.60-2.00	0.30-1.20	72	55.0	60.5	0.649	L55
50S	M50 x 1.5	1 ½" or 2"	16	N/A	38.2	39.4	46.7	34.8	42.4	2.00-2.50	0.30-1.60	73	65.0	71.5	0.940	L65
50H	M50 x 1.5	1 ½" or 2"	16	N/A	38.2	45.7	53.2	41.1	48.5	2.00-2.50	0.30-1.60	73	65.0	71.5	0.849	L65
50	M50 x 1.5	2"	16	N/A	44.1	45.7	53.2	41.1	48.5	2.00-2.50	0.30-1.60	73	65.0	71.5	0.707	L65
63S	M63 x 1.5	2" or 2 ½"	19	N/A	50.1	52.1	59.5	47.5	54.8	2.00-2.50	0.30-1.60	76	80.0	88.0	1.369	L80
63H	M63 x 1.5	2" or 2 ½"	19	N/A	50.1	58.4	65.8	53.8	61.2	2.00-2.50	0.30-1.60	76	80.0	88.0	1.306	L80
63	M63 x 1.5	2 ½"	19	N/A	56.0	58.4	65.8	53.8	61.2	2.00-2.50	0.30-1.60	76	80.0	88.0	1.123	L80
75S	M75 x 1.5	2 ½" or 3"	19	N/A	62.0	64.8	72.2	60.2	68.0	2.00-2.50	0.50-1.60	82	90.0	99.0	1.661	L90
75H	M75 x 1.5	2 ½" or 3"	19	N/A	62.0	71.1	78.0	66.5	73.4	2.00-2.50	0.50-1.60	82	90.0	99.0	1.553	L90
75	M75 x 1.5	3"	19	N/A	68.0	71.1	78.0	66.5	73.4	2.00-2.50	0.50-1.60	82	90.0	99.0	1.310	L90
80	M80 x 2.0	3" or 3 ½"	25	N/A	72.0	77.0	84.0	71.9	79.4	3.15-4.00	0.50-1.60	110	104.0	115.2	2.718	L104
80H	M80 x 2.0	3" or 3 ½"	25	N/A	72.0	79.6	90.0	75.0	85.4	3.15-4.00	0.50-1.60	110	104.0	115.2	2.489	L104
85	M85 x 2.0	3" or 3 ½"	25	N/A	78.0	79.6	90.0	75.0	85.4	3.15-4.00	0.50-1.60	110	104.0	115.2	2.326	L104
90	M90 x 2.0	3 ½" or 4"	25	N/A	84.0	88.0	96.0	82.0	91.4	3.15-4.00	0.50-1.60	110	114.0	125.7	2.852	L114
90H	M90 x 2.0	3 ½" or 4"	25	N/A	84.0	92.0	102.0	87.4	97.4	3.15-4.00	0.50-1.60	110	114.0	125.7	2.629	L114
100	M100 x 2.0	3 ½" or 4"	25	N/A	90.0	92.0	102.0	87.4	97.4	3.15-4.00	0.50-1.60	110	114.0	125.7	2.496	L114

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 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 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.
- 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.
- Orientation 2 Min ranges stated are for double layer braid and single layer tape.