

# Peppers Cable Glands Limited

Stanhope Road, Camberley, Surrey, GU15 3BT United Kingdom  
 Telephone: +44 (0) 1276 64232  
 Facsimile: +44 (0) 1276 691752  
 Email: sales@peppers.co.uk



## Cable Gland:- Type CWL

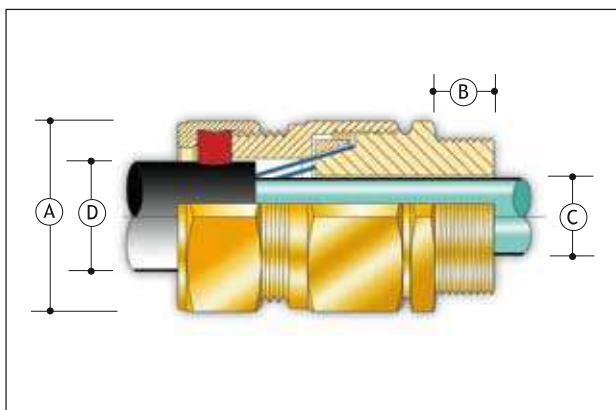


Including type No's:

C	*	*	L	*	*	*
	3	W		S	IE	R
		X		A		
		Z				

CWL type glands provide a seal on the outer sheath and an armour specific armour clamp for armoured cable. The armour clamp provides an electrical bond between the cable armour and the gland. CWL type glands maintain IP66.

DESIGN STANDARD	BS EN 50262: 1999	
GLAND MARKING	Example: CWL [size] [thread] PCGL (or Peppers)	
INGRESS PROTECTION	IP66	
MATERIALS	Brass CZ121 (CWL) 316 Stainless Steel (CWLS) Aluminium (CWLA) Outer sheath seal material: Standard (C) Neoprene, black. Option (C3) Silicone, white. Reduced bore outer sheath seal (R) Silicone, red. (CWLR)	
VARIATIONS	Integral Earth version for HV applications: Brass (CWLIE); 316 Stainless Steel (CWLSIE)	
OPTIONS	THREADS	ISO Metric; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel); PG
	SEALS	Extended operating temperature -60°C to +180°C, halogen free versions: Brass (C3WL); 316 Stainless Steel (C3WLS)
	CLAMPS	SWA steel wire armour (CWL) SWB woven steel wire armour or STA steel tape armour (CXZL)
	PLATING	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN)
OPERATING TEMPERATURES	Standard Seals -20°C to +85°C Silicone Seals -60°C to +180°C	
ACCESSORIES	Locknut - Brass (ACBLN); 316 Stainless Steel (ACSLN); Aluminium (ACALN) Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET); Aluminium (ACAET) IP Washer - Nylon (ACNSW); Red Fibre (ACFSW) Serrated Lock Washer - 316 Stainless Steel (ACSSW), Galvanised Steel (ACGSW) Shroud - PVC (ACSPVC); PCP (ACSPCP); Low Smoke Zero Halogen (ACSSIO)  Gland and accessory kits: K1- includes gland, locknut, earthtag and PVC shroud C3WLK1 - includes brass gland, brass locknut, brass earthtag and zero halogen shroud	
EXAMPLE PART NUMBER	Sample: <b>CWL R K1/ZP/20S/M20</b> <b>CWL:</b> CWL - Gland type, seal material, armour type (SWA) and body material (Brass) C3WL - Seal material (Silicone)  R - Reduced bore outer seal K1 - Supplied complete with accessories (PVC Shroud) ZP - Zinc plating 20s - Gland size with regards to cable acceptance range M20 - Entry thread	





Gland Size	Entry Threads		Entry Thread Length [B]	Max Across Corners [A]	Max Protrusion Length	Gland Seal Range						Armour Acceptance Range		L24
						Cable Inner Sheath [C]		Cable Outer Sheath [D]						
	Metric	NPT/BSP				Min	Max	Standard		Reduced (R)		W	XZ	
								Min	Max	Min	Max			
16	M20	1/2" or 3/4"	16	26.5	54.0	-	8.4	9.0	13.5	6.7	10.3	0.90	0.15-0.35	L24
20s	M20	1/2" or 3/4"	16	26.5	54.0	-	11.7	11.5	16.0	9.4	12.5	0.90-1.25	0.15-0.35	L24
20	M20	1/2" or 3/4"	16	33.0	54.0	-	14.0	15.5	21.0	12.0	17.6	0.90-1.25	0.15-0.50	L30
25	M25	3/4" or 1"	16	41.4	54.0	-	20.0	20.3	27.4	16.8	23.9	1.25-1.60	0.15-0.50	L38
32	M32	1" or 1 1/4"	16	50.6	60.0	-	26.3	26.7	34.0	23.2	30.5	1.60-2.00	0.15-0.55	L46
40	M40	1 1/4" or 1 1/2"	16	60.5	67.0	-	32.2	33.0	40.6	28.6	36.2	1.60-2.00	0.20-0.60	L55
50s	M50	1 1/2" or 2"	16	71.5	67.0	-	38.2	39.4	46.7	34.8	42.4	2.00-2.50	0.20-0.60	L65
50	M50	2"	16	71.5	67.0	-	44.1	45.7	53.2	41.1	48.5	2.00-2.50	0.30-0.60	L65
63s	M63	2" or 2 1/2"	19	88.0	69.0	-	50.1	52.1	59.4	47.5	54.8	2.50	0.30-0.80	L80
63	M63	2 1/2"	19	88.0	69.0	-	56.0	58.4	65.8	53.8	61.2	2.50	0.30-0.80	L80
75s	M75	2 1/2" or 3"	19	99.0	77.0	-	62.0	64.8	72.2	60.2	68.0	2.50	0.30-1.00	L90
75	M75	3"	19	99.0	77.0	-	68.0	71.1	78.0	66.5	73.4	2.50	0.30-1.00	L90
80	M80 x 2	3" or 3 1/2"	25	115.2	104.0	-	72.0	77.0	84.0	-	-	3.15	0.45-1.00	L104
80H	M80 x 2	3" or 3 1/2"	25	115.2	104.0	-	72.0	79.6	90.0	-	-	3.15	0.45-1.00	L104
85	M85 x 2	3" or 3 1/2"	25	115.2	104.0	-	78.0	79.6	90.0	75.0	85.4	3.15	0.45-1.00	L104
90	M90 x 2	3 1/2" or 4"	25	125.7	104.0	-	84.0	88.0	96.0	-	-	3.15	0.45-1.00	L114
90H	M90 x 2	3 1/2" or 4"	25	125.7	104.0	-	84.0	92.0	102.0	-	-	3.15	0.45-1.00	L114
100	M100 x 2	3 1/2" or 4"	25	125.7	104.0	-	90.0	92.0	102.0	87.4	97.4	3.15	0.45-1.00	L114

All Dimensions are in Millimetres

NOTES:

- Gland Size does not necessarily equate to the entry thread size
- "W" refers to the wire diameter in a steel wire armoured cable
- "XZ" refers to the wire diameter in a woven steel wire armoured cable or the tape thickness in a steel tape armoured cable
- Please note that dimensions (A) and (B) may differ for glands with non-Metric entry threads. Please refer to our thread data tables for specific dimensions
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- Full assembly instructions are available upon request, the instructions should be read prior to installation and adhered to in full
- In order to maintain an IP rating greater than IP54, when used in a clearance hole, a suitable IP washer is required.