

# 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 CWLE

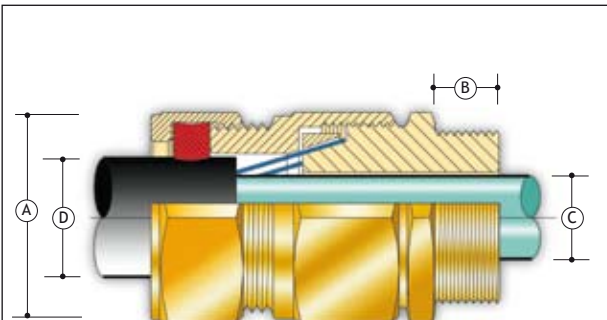


Including type No's:

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

CWLE 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. CWLE type glands maintain Increased Safety Exe methods of explosion protection and IP66.

COMPLIANCE STANDARD	EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1, IEC 60079-0, IEC 60079-7, IEC 61241-0 & IEC 61241-1	
CERTIFICATION	ATEX II 2 GD, E Exe II GOST R-Exe II CSA Exe II 4X IECEX Ex e II NEPSI Exe II	
CERTIFICATE	SIRA 01ATEX1271 - Ex Notified Body No. 0518 POCC GB MЛ14.B00030 CSA 1356011 IECEX SIR 07.0097X NEPSI GYJ06187X	
GLAND MARKING (EXAMPLE)	Peppers GU15 3BT UK CWLE/20/M20 CA IEC Ex SIR 07.0097X Exe II/Ex tD A21 IP66 MЛ14 Sira 01ATEX1271X Ex II 2 GD EExe II	
APPLICATION	<b>EExe Equipment</b> Gas Group II, Zones 1 and 2	<b>Other Equipment</b> Ignitable Dust, Zones 21 and 22
INGRESS PROTECTION	IP66	
MATERIALS	Brass CZ121 (CWLE) 316 Stainless Steel (CWLSE) Outer sheath material: Standard (C) Neoprene, black. Option (C3) Silicone, white. Reduced outer bore sheath seal (R) Silicone, red. (CWLR)	
VARIATIONS	Integral Earth version for HV applications: Brass (CWLIEE); 316 Stainless Steel (CWLSIEE)	
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 (C3WLE); 316 Stainless Steel (C3WLSE)
	CLAMPS	SWA steel wire armour (CWLE) SWB woven steel wire armour or STA steel tape armour (CXZLE)
	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) Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET) 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, nylon IP washer and PVC shroud C3WLEK1 - includes brass gland, brass locknut, brass earthtag, IP washer and zero halogen shroud	



EXAMPLE PART NUMBER	<p>Sample: CWLE R K1/ZP/20S/M20</p> <p><b>CWLE:</b>          CWLE - Gland type, seal material, armour type (SWA) and body material (Brass)          C3WLE - Seal material (Silicone)</p> <p><b>R</b> - Reduced bore outer seal  <b>K1</b> - Supplied complete with accessories (PVC Shroud)  <b>ZP</b> - Zinc plating  <b>20s</b> - Gland size with regards to cable acceptance range  <b>M20</b> - Entry thread</p>
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Gland Size	Entry Threads		Entry Thread Length [B]	Max Across Corners [A]	Max Protrusion Length	Gland Seal Range						Armour Acceptance Range		Shroud Size
						Cable Inner Sheath [C]		Cable Outer Sheath [D]						
	Metric	NPT/BSP				Standard		Reduced (R)		W	XZ			
						Min	Max	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	0.90-1.25	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	0.30-0.80	L65
63s	M63	2" or 2 1/2"	19	88.0	69.0	-	50.1	52.1	59.5	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
- Where CWLE type glands are fitted into non-metallic Increased Safety Exe enclosures they must be included within the earth circuit of the system
- The user should seek expert advice if intending to combine flammable gases and combustible dusts in one environment/installation
- Full assembly instructions are supplied with glands, the instructions must be read prior to installation and adhered to in full

<http://www.cableglands.com>