



**CW CIEL**

**CW Industrial Single Seal Cast Integral Earth Lug Cable Gland**

**For all types of Steel & Aluminium Wire Armoured Cables**

- External earth connection
- Third party short circuit tested
- Metal-to-metal armour clamping
- Direct & remote installation
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Permanently crimped, low impedance earth termination
- Secure against self-loosening
- -60°C to +130°C
- Deluge protection option
- EMC tested



The Symmetrical Fault Current (kA) rating for 1 second applicable to the Cast Integral Earth Lug featured in the CW CIEL products are as follows:  
 26.0 kA for Cable Gland sizes up to 40  
 43.0 kA for Cable Gland sizes 50S and above.

**TECHNICAL DATA**

<b>Design Specification</b>	BS 6121 :Part 1:1989, EN 62444, IEC 62444
<b>Mechanical Classifications*</b>	Impact = Level 8, Retention = Class D
<b>Enclosure Protection</b>	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
<b>Electrical Classifications*</b>	Category C
<b>GOST R Certificate</b>	POCC GB.ГБ05.H00187
<b>GOST K Certificate</b>	KZ 7500361.01.01.25266
<b>RoK Permit For Use</b>	19-02-UL-1957
<b>Marine Approvals</b>	LRS: 01/00171 (E1), ABS: 01-LD234401/2-PDA
<b>Ingress Protection Rating</b>	IP66**
<b>Cable Gland Material</b>	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
<b>Seal Material</b>	CMP Thermoset Rubber
<b>Cable Type</b>	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
<b>Armour Clamping</b>	Detachable Armour Cone & AnyWay Universal Clamping Ring
<b>Sealing Technique</b>	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
<b>Sealing Area(s)</b>	Cable Outer Sheath

Note : \* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444  
 Note : \*\* Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

**Cable Gland Selection Table**

Refer to illustration at the top of the page

Cable Gland Size	Entry Thread "C"	Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Nominal Radius Dimension		CIEL Earth Bolt Size	Earth Fault Current Rating (kA)	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
			Max	Min	Max	Min	Max	Max				"H"	"G"			Size	Type	Ordering Suffix	
20S	M20	10.0	11.7	9.5	15.9	0.8	1.25	24.0	26.4	48.0	28.6	38.6	M8	26.0	20S	CWC	1RA	0.195	
20	M20	10.0	14.0	12.5	20.9	0.8	1.25	30.5	33.6	48.0	31.8	41.3	M8	26.0	20	CWC	1RA	0.276	
25S	M25	10.0	20.0	14.0	22.0	1.25	1.6	37.5	41.3	56.0	38.1	50.8	M8	26.0	25S	CWC	1RA	0.436	
25	M25	10.0	20.0	18.2	26.2	1.25	1.6	37.5	41.3	56.0	38.1	50.8	M8	26.0	25	CWC	1RA	0.435	
32	M32	10.0	26.2	23.7	33.9	1.6	2.0	46.0	50.6	54.0	41.3	54.0	M8	26.0	32	CWC	1RA	0.506	
40	M40	15.0	32.2	27.9	40.4	1.6	2.0	55.0	60.5	58.0	50.8	68.3	M10	26.0	40	CWC	1RA	0.802	
50S	M50	15.0	38.2	35.2	46.7	2.0	2.5	60.0	66.0	61.0	57.2	74.6	M12	43.0	50S	CWC	1RA	0.883	
50	M50	15.0	44.1	40.4	53.0	2.0	2.5	70.1	77.1	60.0	60.3	79.4	M12	43.0	50	CWC	1RA	1.088	
63S	M63	15.0	50.0	45.6	59.4	2.0	2.5	75.0	82.5	74.0	70.0	90.5	M12	43.0	63S	CWC	1RA	1.636	
63	M63	15.0	56.0	54.6	65.8	2.0	2.5	80.0	88.0	71.0	70.0	90.5	M12	43.0	63	CWC	1RA	1.597	
75S	M75	15.0	62.0	59.0	72.0	2.0	2.5	90.0	99.0	86.0	76.2	98.5	M12	43.0	75S	CWC	1RA	2.310	
75	M75	15.0	68.0	66.7	78.4	2.5	3.0	100.0	110.0	82.0	82.6	108.0	M12	43.0	75	CWC	1RA	2.717	
90	M90	24.0	79.0	76.2	90.3	3.15	4.0	114.3	125.7	95.0	95.3	107.1	M12	43.0	90	CWC	1RA	4.417	
100	M100	24.0	90.0	86.1	101.4	3.15	4.0	123.0	135.3	95.0	101.6	139.7	M12	43.0	100	CWC	1RA	4.820	
115	M115	24.0	98.0	101.5	110.2	3.15	4.0	133.4	146.7	107.5	112.0	138.5	M12	43.0	115	CWC	1RA	6.191	
130	M130	24.0	115.0	110.2	123.2	3.15	4.0	152.4	167.6	110.0	112.0	138.5	M12	43.0	130	CWC	1RA	8.388	

\*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'  
 For NPT options add the following digits to the material suffix; 1/2" = 31; 3/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/2" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32CWC1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SCWC1RA035 = Brass 1-1/2" NPT, 25CWC1RA432 = Stainless Steel 3/4" NPT, 20CWC1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated