



BWL CIEL

BWL Heavy Duty Industrial 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
- Robust, heavy duty design
- Permanently crimped, low impedance earth termination
- Secure against self-loosening
- Longer body protects armour wires from impact
- -60°C to +200°C
- EMC tested



The Symmetrical Fault Current (kA) rating for 1 second applicable to the Cast Integral Earth Lug featured in the BWL 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	
Design Specification	BS 6121 : Part 1: 1989
Mechanical Classifications*	Impact = Level 8, Retention = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules)
Electrical Classifications*	Category C
GOST R Certificate	POCC GB.ГБ05.H00187
GOST K Certificate	KZ 7500361.01.01.25266
RoK Permit For Use	19-02-UL-1957
Marine Approvals	LRS: 01/00171 (E1), ABS: 01-LD234401/2-PDA
Ingress Protection Rating	IP2X
Cable Gland Material	Brass, Electroless Nickel Plated Brass
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
Armour Clamping	Armour Cone & AnyWay Universal Clamping Ring

Note : * Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 As IEC 62444 and EN 62444 do not cover cable glands which are supplied without cable sealing rings, the information provided here is for information only, since this product does not fully conform to these standards.
 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	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)		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)
	Standard	Thread Length (Metric) "E"			Min	Max				"H"	"G"			Size	Type	Ordering Suffix	
	Metric		Max	Max			Max	Max									
20S	M20	10.0	11.7	15.9	0.8	1.25	24.0	26.4	32.2	28.6	38.6	M8	26.0	20S	BWLC	1RA	0.112
20	M20	10.0	14.0	20.9	0.8	1.25	30.5	33.6	30.6	31.8	41.8	M8	26.0	20	BWLC	1RA	0.158
25	M25	10.0	20.0	26.2	1.25	1.6	37.5	41.3	36.4	38.1	50.8	M8	26.0	25	BWLC	1RA	0.224
32	M32	10.0	26.2	33.9	1.6	2.0	46.0	50.6	32.6	41.3	54.0	M8	26.0	32	BWLC	1RA	0.244
40	M40	15.0	32.2	40.4	1.6	2.0	55.0	60.5	36.9	50.8	68.3	M10	26.0	40	BWLC	1RA	0.538
50S	M50	15.0	38.2	46.7	2.0	2.5	60.0	66.0	39.6	57.2	74.6	M12	43.0	50S	BWLC	1RA	0.670
50	M50	15.0	44.1	53.1	2.0	2.5	70.1	77.1	39.1	60.3	79.4	M12	43.0	50	BWLC	1RA	0.718
63S	M63	15.0	50.0	59.4	2.0	2.5	75.0	82.5	52.0	70.0	90.5	M12	43.0	63S	BWLC	1RA	1.226
63	M63	15.0	56.0	65.9	2.0	2.5	80.0	88.0	49.8	70.0	90.5	M12	43.0	63	BWLC	1RA	1.178
75S	M75	15.0	62.0	72.1	2.0	2.5	90.0	99.0	63.7	76.2	98.5	M12	43.0	75S	BWLC	1RA	1.859
75	M75	15.0	68.0	78.5	2.5	3.0	100.0	110.0	57.3	82.6	108.0	M12	43.0	75	BWLC	1RA	2.054
90	M90	24.0	79.0	90.4	3.15	4.0	114.3	125.7	66.0	95.3	108.0	M12	43.0	90	BWLC	1RA	2.926
100	M100	24.0	90.0	101.5	3.15	4.0	123.0	135.3	80.0	101.6	139.7	M12	43.0	100	BWLC	1RA	3.032
115	M115	24.0	98.0	110.3	3.15	4.0	133.4	146.7	98.0	112.0	138.5	M12	43.0	115	BWLC	1RA	4.066
130	M130	24.0	115.0	123.3	3.15	4.0	152.4	167.6	110.0	112.0	138.5	M12	43.0	130	BWLC	1RA	5.245

*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'

Examples: 32BWLC1RA5 = Nickel Plated Brass, 25BWLC1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated