



E2W CIEL

E2W Industrial Double Seal Cast Integral Earth Lug Cable Gland

For all types of Steel & Aluminium Wire Lead Sheathed Armoured Cables

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



The Symmetrical Fault Current (kA) rating for 1 second applicable to the Cast Integral Earth Lug featured in the E2W 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, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category C
GOST R Certificate No.	POCC GB.ГБ05.H00187
GOST K Certificate No.	KZ 7500361.01.01.25266
RoK Permit For Use Number	19-02-UL-1957
Marine Approvals	LRS: 01/00171 (E1), ABS: 01-LD234401/2-PDA
Ingress Protection Rating	IP66 as standard (IP67, IP68 available upon request)**
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Aluminium
Seal Material	CMP Thermoset Rubber
Cable Type	Lead Sheathed & Single Wire Armour (LC/SWA), Lead Sheathed Aluminium Wire Armour (LC/AWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Cable Inner Bedding & Outer Cable 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	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)					Lead Sheath Diameter "A"		Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Radius Dimension		CIEL Earth Bolt Size	Earth Fault Current Rating (kA)	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
	Standard			Option		Min	Max	Min	Max	Min	Max	Max	Max		"H"	"G"			Size	Type	Ordering Suffix	
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT																	
20S	M20	10.0	1/2"	19.9	3/4"	6.1	11.0	9.5	15.9	0.8	1.25	24.0	26.4	70.0	28.6	38.6	M8	26	20S	E2WC	1RA	0.195
20	M20	10.0	1/2"	19.9	3/4"	6.5	13.4	12.5	20.9	0.8	1.25	30.5	33.6	73.0	31.8	41.8	M8	26	20	E2WC	1RA	0.276
25S	M25	10.0	3/4"	20.2	1"	11.1	19.3	14.0	22.0	1.25	1.6	37.5	41.3	89.0	38.1	50.8	M8	26	25S	E2WC	1RA	0.438
25	M25	10.0	3/4"	20.2	1"	11.1	19.3	18.2	26.2	1.25	1.6	37.5	41.3	89.0	38.1	50.8	M8	26	25	E2WC	1RA	0.435
32	M32	10.0	1"	25.0	1 1/4"	17.0	25.5	23.7	33.9	1.6	2.0	46.0	50.6	86.0	41.3	54.0	M8	26	32	E2WC	1RA	0.506
40	M40	15.0	1 1/4"	25.6	1 1/2"	22.0	31.2	27.9	40.4	1.6	2.0	55.0	60.5	90.0	50.8	68.3	M10	26	40	E2WC	1RA	0.802
50S	M50	15.0	1 1/2"	26.1	2"	29.5	37.2	35.2	46.7	2.0	2.5	60.0	66.0	91.0	57.2	74.6	M12	43	50S	E2WC	1RA	0.883
50	M50	15.0	2"	26.9	2 1/2"	35.6	42.6	40.4	53.0	2.0	2.5	70.1	77.1	95.0	60.3	79.4	M12	43	50	E2WC	1RA	1.038
63S	M63	15.0	2"	26.9	2 1/2"	40.1	48.5	45.6	59.4	2.0	2.5	75.0	82.5	102.0	70.0	90.5	M12	43	63S	E2WC	1RA	1.636
63	M63	15.0	2 1/2"	39.9	3"	47.2	54.2	54.6	65.8	2.0	2.5	80.0	88.0	104.0	70.0	90.5	M12	43	63	E2WC	1RA	1.597
75S	M75	15.0	2 1/2"	39.9	3"	52.8	60.2	59.0	72.0	2.0	2.5	90.0	99.0	115.0	76.2	98.5	M12	43	75S	E2WC	1RA	2.310
75	M75	15.0	3"	41.5	3 1/2"	59.1	65.2	66.7	78.4	2.5	3.0	100.0	110.0	117.0	82.6	108.0	M12	43	75	E2WC	1RA	2.717
90	M90	24.0	3"	42.8	4"	66.6	77.1	76.2	90.3	3.15	4.0	114.3	125.7	147.0	95.3	127.1	M12	43	90	E2WC	1RA	4.417
100	M100	24.0	4"	44.0	5"	76.0	88.1	86.1	101.4	3.15	4.0	123.0	135.3	140.0	102.0	133.8	M12	43	100	E2WC	1RA	4.820
115	M115	24.0	4"	44.0	5"	86.0	94.1	101.5	110.2	3.15	4.0	133.4	146.7	162.0	95.3	127.1	M12	43	115	E2WC	1RA	6.191
130	M130	24.0	5"	46.8	6"	97.0	110.1	110.2	123.2	3.15	4.0	152.4	167.6	177.0	102.0	133.8	M12	43	130	E2WC	1RA	8.539

*Note : For material options please add the following suffix to change the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5", 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: 32E2WC1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SE2WC1RA035 = Brass 1-1/2" NPT, 20E2WC1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated