



**E1U**

**E1U Double Seal Industrial Cable Gland**

**For all types of Armoured Cables**

- 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
- Designed to prevent Coldflow
- Deluge protection option
- -60°C to +130°C (standard), -20°C to 200°C (Thermln option page 91)
- EMC tested



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armour (STA, DSTA) and Aluminium Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminium Wire Armour (AWA) and Pliable Wire Armour (PWA) if the range is outside that of the Stepped Cone (W).

Note: Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armour cables. Tapes can also be doubled over. For cables that have only a single layer of armour such as SWA the clamping range should be used as shown in the table below.

Stepped (W) Cone is suitable for Single Wire Armour (SWA), or Aluminium Wire Armour (AWA) cables.

**TECHNICAL DATA**

<b>Design Specification</b>	BS 6121:Part 1:1989, IEC 62444, EN 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 B (Category A when used with braid, tape or pliable wire armour cables)
<b>GOST R Certificate No.</b>	POCC GB.ГБ 05.H00187
<b>GOST K Certificate No.</b>	KZ 7500361.01.01.25266
<b>RoK Permit For Use Number</b>	19-02-UL-1957
<b>Marine Approvals</b>	LRS: 01/00171 (E1), ABS: 01-LD234401-2-PDA
<b>Ingress Protection Rating</b>	IP66 as standard (IP67, IP68 available upon request)**
<b>Cable Gland Material</b>	Brass, Electroless Nickel Plated Brass, Aluminium
<b>Seal Material</b>	CMP Thermoset Rubber
<b>Cable Type</b>	Single Wire Armour (SWA), Aluminium Wire Armour (AWA), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Wire Braid Armour, Aluminium Strip Armour (ASA), Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Armoured & Jacketed
<b>Armour Clamping</b>	Reversible Armour Cone & AnyWay Universal Clamping Ring
<b>Sealing Technique</b>	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
<b>Sealing Area(s)</b>	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)					Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range †				Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard		Option			Min	Max	Min	Max	Grooved Cone (X)		Stepped Cone (W)		Max	Max		Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT					Min	Max	Min	Max								
20s16	M20	10.0	1/2"	19.9	3/4"	3.1	8.6	6.1	13.1	0.3	1.0	0.8	1.25	24.0	26.4	72.5	20S16	E1U	1RA	PVC04	0.163
20S	M20	10.0	1/2"	19.9	3/4"	6.1	11.6	9.5	15.9	0.3	1.0	0.8	1.25	24.0	26.4	70.0	20S	E1U	1RA	PVC04	0.150
20	M20	10.0	1/2"	19.9	3/4"	6.5	13.9	12.5	20.9	0.4	1.0	0.8	1.25	30.5	33.6	73.0	20	E1U	1RA	PVC06	0.210
25S	M25	10.0	3/4"	20.2	1"	11.1	19.9	14.0	22.0	0.4	1.2	1.25	1.6	37.5	41.3	89.0	25S	E1U	1RA	PVC09	0.330
25	M25	10.0	3/4"	20.2	1"	11.1	19.9	18.2	26.2	0.4	1.2	1.25	1.6	37.5	41.3	89.0	25	E1U	1RA	PVC09	0.330
32	M32	10.0	1"	25.0	1 1/4"	17.0	26.2	23.7	33.9	0.4	1.2	1.6	2.0	46.0	50.6	86.0	32	E1U	1RA	PVC11	0.430
40	M40	15.0	1 1/4"	25.6	1 1/2"	22.0	32.1	27.9	40.4	0.4	1.6	1.6	2.0	55.0	60.5	90.0	40	E1U	1RA	PVC15	0.620
50S	M50	15.0	1 1/2"	26.1	2"	29.5	38.1	35.2	46.7	0.4	1.6	2.0	2.5	60.0	66.0	91.0	50S	E1U	1RA	PVC18	0.750
50	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	40.4	53.0	0.6	1.6	2.0	2.5	70.1	77.1	95.0	50	E1U	1RA	PVC21	0.950
63S	M63	15.0	2"	26.9	2 1/2"	40.1	49.9	45.6	59.4	0.6	1.6	2.0	2.5	75.0	82.5	102.0	63S	E1U	1RA	PVC23	1.340
63	M63	15.0	2 1/2"	39.9	3"	47.2	55.9	54.6	65.8	0.6	1.6	2.0	2.5	80.0	88.0	104.0	63	E1U	1RA	PVC25	1.340
75S	M75	15.0	2 1/2"	39.9	3"	52.8	61.9	59.0	72.0	0.6	1.6	2.0	2.5	90.0	99.0	115.0	75S	E1U	1RA	PVC28	2.110
75	M75	15.0	3"	41.5	3 1/2"	59.1	67.9	66.7	78.4	0.6	1.6	2.5	3.0	100.0	110.0	117.0	75	E1U	1RA	PVC30	2.420
90	M90	24.0	3 1/2"	42.8	4"	66.6	78.6	76.2	90.3	0.8	1.6	3.15	4.0	114.3	125.4	147.0	90	E1U	1RA	PVC32	4.210
100	M100	24.0	4"	44.0	5"	76.0	90.9	86.1	101.4	0.8	1.6	3.15	4.0	123.0	135.3	140.0	100	E1U	1RA	LSF33	4.450
115	M115	24.0	4"	44.0	5"	86.0	97.9	101.5	110.2	0.8	1.6	3.15	4.0	133.4	146.7	162.0	115	E1U	1RA	LSF34	6.190
130	M130	24.0	5"	46.8	6"	97.0	114.9	110.2	123.2	0.8	1.6	3.15	4.0	152.4	167.6	174.0	130	E1U	1RA	LSF35	8.340

\*Note : For material options please add the following suffix to change the Ordering Reference : Brass (no suffix required), Nickel Plated Brass "S", 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: 32E1U1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SE1U1RA035 = Brass 1-1/2" NPT, 20E1U1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated