



Brass

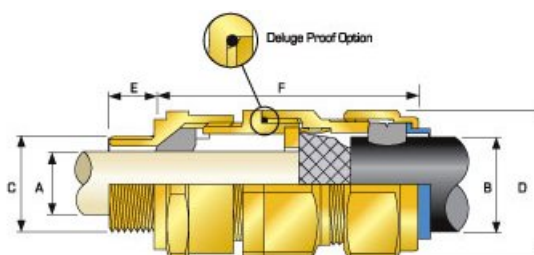
E1X Industrial Cable Gland

CMP E1X type brass indoor and outdoor cable gland for use with all types of Wire Braid Armour, Strip Armour, Pliable Wire Armour & Steel Tape Armour cable providing an environmental seal on the cable inner bedding and cable outer sheath.

All CMP Cable Glands are EMC Tested.

The cable gland provides mechanical cable retention and electrical continuity via armour termination. A detachable armour cone and AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment, for maintenance and change out etc. This feature also facilitates remote make off procedures when the termination is to be conducted in confined spaces or in areas of restricted access. Separate tightening actions for the inner displacement seal and the armour termination affords maximum control over the pressure applied to the cable inner bedding.

The CMP E1X range of industrial cable glands is designed and tested to [BS 6121:Part 1:1989](#), meets or surpasses the requirements of [EN 50262:1999](#), and is produced from Brass grade CuZn39Pb3 (CW614N) to EN12168. Other materials including Aluminium are also available in this standard design.



Note: Deluge proof version available



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Cable Gland Selection Table

Cable Gland Size	Available Entry Threads "C"			Min Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (Brass Metric) #	PVC Shroud Ref *	Cable Gland Weight (Kgs)
	Standard		Option		Min	Max	Min	Max	Min	Max	Max	Max				
	Metric	NPT	NPT													
20S/16	M20	1/2"	3/4"	10.0	3.1	8.6	6.1	13.2	0.0	1.0	24.0	25.9	63.0	20S16E1X1RA	PVC04	0.163
20S	M20	1/2"	3/4"	10.0	6.1	11.6	9.5	15.9	0.0	1.0	24.0	25.9	63.0	20SE1X1RA	PVC04	0.163
20	M20	1/2"	3/4"	10.0	6.5	13.9	12.5	20.9	0.0	1.0	30.5	32.9	67.0	20E1X1RA	PVC06	0.217
25S	M25	3/4"	1"	10.0	11.1	19.9	14.0	22.0	0.0	1.0	37.5	40.5	78.0	25SE1X1RA	PVC09	0.345
25	M25	3/4"	1"	10.0	11.1	19.9	18.2	26.2	0.0	1.0	37.5	40.5	78.0	25E1X1RA	PVC09	0.345
32	M32	1"	1 1/4"	10.0	17.0	26.2	23.7	33.9	0.0	1.0	46.0	49.7	78.0	32E1X1RA	PVC11	0.484
40	M40	1 1/4"	1 1/2"	15.0	22.0	32.1	27.9	40.4	0.0	1.0	55.0	59.4	83.0	40E1X1RA	PVC15	0.700
50S	M50	1 1/2"	2"	15.0	29.5	38.1	35.2	46.7	0.0	1.0	60.0	64.8	78.0	50SE1X1RA	PVC18	0.800
50	M50	2"	2 1/2"	15.0	35.6	44.0	40.4	53.1	0.0	1.0	70.0	75.6	81.0	50E1X1RA	PVC21	0.830
63S	M63	2"	2 1/2"	15.0	40.1	49.9	45.6	59.4	0.0	1.0	75.0	81.0	93.0	63SE1X1RA	PVC23	1.415
63	M63	2 1/2"	3"	15.0	47.2	55.9	54.6	65.9	0.0	1.0	80.0	86.4	95.0	63E1X1RA	PVC25	1.514
75S	M75	2 1/2"	3"	15.0	52.8	61.9	59.0	72.1	0.0	1.0	89.0	96.1	103.0	75SE1X1RA	PVC28	2.199
75	M75	3"	3 1/2"	15.0	59.1	67.9	66.7	78.5	0.0	1.0	99.0	106.9	110.0	75E1X1RA	PVC30	2.770
90	M90	3"	3 1/2"	15.0	66.6	79.9	76.2	90.4	0.0	1.6	114.0	123.1	136.0	90E1X1RA	PVC32	4.478
100	M100	4"	-	15.0	76.0	90.9	86.1	101.5	0.0	1.6	123.0	132.8	145.0	100E1X1RA	LSF33	4.700
115	M115	-	-	15.0	86.0	97.9	101.5	110.3	0.0	1.6	133.4	144.1	160.0	115E1X1RA	LSF34	5.300
130	M130	-	-	15.0	97.0	114.9	114.2	123.3	0.0	1.6	146.1	157.8	185.0	130E1X1RA	LSF35	5.900

Dimensions are displayed in millimetres unless otherwise stated

NOTE: *CMP SOLO LSF Halogen Free Shrouds also available on request. # Other thread forms are available.

Cable Gland Size	Available Entry Threads "C"			Min Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (Brass Metric) #	PVC Shroud Ref *	Cable Gland Weight (Ozs)
	Standard		Option		Min	Max	Min	Max	Min	Max	Max	Max				
	Metric	NPT	NPT													
20S/16	M20	1/2"	3/4"	0.394	0.122	0.339	0.240	0.519	0.000	0.039	0.945	1.020	2.480	20S16E1X1RA	PVC04	5.75
20S	M20	1/2"	3/4"	0.394	0.240	0.457	0.374	0.626	0.000	0.039	0.945	1.020	2.480	20SE1X1RA	PVC04	5.75
20	M20	1/2"	3/4"	0.394	0.256	0.547	0.492	0.823	0.000	0.039	1.201	1.295	2.638	20E1X1RA	PVC06	7.65
25S	M25	3/4"	1"	0.394	0.437	0.783	0.551	0.866	0.000	0.039	1.476	1.594	3.071	25SE1X1RA	PVC09	12.17
25	M25	3/4"	1"	0.394	0.437	0.783	0.717	1.031	0.000	0.039	1.476	1.594	3.071	25E1X1RA	PVC09	12.17
32	M32	1"	1 1/4"	0.394	0.669	1.031	0.933	1.335	0.000	0.039	1.811	1.957	3.071	32E1X1RA	PVC11	17.07
40	M40	1 1/4"	1 1/2"	0.591	0.866	1.264	1.098	1.591	0.000	0.039	2.165	2.339	3.268	40E1X1RA	PVC15	24.69
50S	M50	1 1/2"	2"	0.591	1.161	1.500	1.386	1.839	0.000	0.039	2.362	2.551	3.071	50SE1X1RA	PVC18	28.22
50	M50	2"	2 1/2"	0.591	1.402	1.732	1.591	2.091	0.000	0.039	2.756	2.976	3.189	50E1X1RA	PVC21	29.28
63S	M63	2"	2 1/2"	0.591	1.579	1.965	1.795	2.339	0.000	0.039	2.953	3.189	3.661	63SE1X1RA	PVC23	49.91
63	M63	2 1/2"	3"	0.591	1.858	2.201	2.150	2.594	0.000	0.039	3.150	3.402	3.740	63E1X1RA	PVC25	53.40
75S	M75	2 1/2"	3"	0.591	2.079	2.437	2.323	2.839	0.000	0.039	3.504	3.783	4.055	75SE1X1RA	PVC28	77.57
75	M75	3"	3 1/2"	0.591	2.327	2.673	2.626	3.091	0.000	0.039	3.898	4.209	4.331	75E1X1RA	PVC30	97.71
90	M90	3"	3 1/2"	0.591	2.622	3.146	3.000	3.559	0.000	0.063	4.488	4.846	5.354	90E1X1RA	PVC32	157.96
100	M100	4"	-	0.591	2.992	3.579	3.390	3.996	0.000	0.063	4.843	5.228	5.709	100E1X1RA	LSF33	165.79
115	M115	-	-	0.591	3.386	3.854	3.996	4.343	0.000	0.063	5.252	5.673	6.299	115E1X1RA	LSF34	186.95
130	M130	-	-	0.591	3.819	4.524	4.496	4.854	0.000	0.063	5.752	6.213	7.283	130E1X1RA	LSF35	208.12

Dimensions are displayed in inches unless otherwise stated

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TECHNICAL DATA

GOST R Certificate Number	POCC GB.06.H00187
GOST GGTN Permit	PPC 00-40706
GOST K Certificate Number	KZ 75000361 01 01 14761
RoK Permit For Use Number	19-02-UL-1957
Lloyds Approval No.	01/00171
ABS Approval No.	01-LD234401/1-PDA
Type	E1X
Design Specification	BS 6121:Part 1:1989 , EN 50262:1999
Continuous Operating Temperature	-60°C to +150°C
Ingress Protection Rating	IP66
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
Seal Material	CMP Formulated Thermoplastic Elastomer
Cable Type	Wire Braid Armour, Screened Flexible Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Strip Armour (e.g. ASA)
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
Accessories	Adaptor/Reducer , Earth Tag , Locknut , Serrated Washer , Entry Thread Seal , Shroud

