



Brass

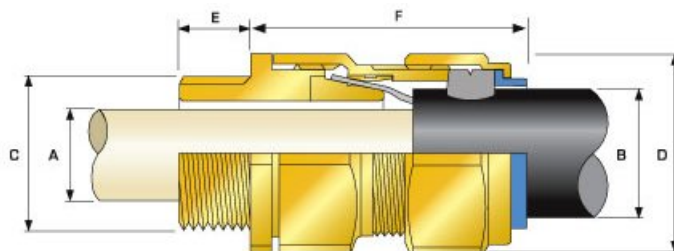
CW Industrial Cable Gland

CMP CW type brass indoor and outdoor cable gland for use with all types of Single Wire Armour (SWA) cable, providing environmental seal on the cable outer sheath.

All CMP Cable Glands are EMC Tested.

The cable gland also provides mechanical cable retention and electrical continuity via armour wire termination. An 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.

The CMP CW 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.



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Cable Gland Selection Table

Cable Gland Size	Entry Thread "C"	Minimum 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)
			Max	Min	Max	Min	Max	Max	Max					
20S/16	M20	10.0	8.7	6.1	11.5	0.9	1.0	24.0	25.9	43.0	20S16CW1RA	PVC04	0.118	
20S	M20	10.0	11.7	9.5	15.9	0.9	1.25	24.0	25.9	43.0	20SCW1RA	PVC04	0.118	
20	M20	10.0	14.0	12.5	20.9	0.9	1.25	30.5	32.9	50.0	20CW1RA	PVC06	0.159	
25S	M25	10.0	20.0	14.0	22.0	1.25	1.6	36.0	38.9	55.0	25SCW1RA	PVC09	0.228	
25	M25	10.0	20.0	18.2	26.2	1.25	1.6	36.0	38.9	55.0	25CW1RA	PVC09	0.228	
32	M32	10.0	26.3	23.7	33.9	1.6	2.0	46.0	49.7	58.0	32CW1RA	PVC11	0.362	
40	M40	15.0	32.2	27.9	40.4	1.6	2.0	55.0	59.4	55.0	40CW1RA	PVC15	0.520	
50S	M50	15.0	38.2	35.2	46.7	2.0	2.5	60.0	64.8	56.0	50SCW1RA	PVC18	0.579	
50	M50	15.0	44.1	40.4	53.1	2.0	2.5	70.1	75.7	70.0	50CW1RA	PVC21	0.601	
63S	M63	15.0	50.0	45.6	59.4	2.0	2.5	75.0	81.0	70.0	63SCW1RA	PVC23	1.054	
63	M63	15.0	56.0	54.6	65.9	2.0	2.5	80.0	86.4	80.0	63CW1RA	PVC25	1.200	
75S	M75	15.0	62.0	59.0	72.1	2.0	2.5	90.0	97.2	81.1	75SCW1RA	PVC28	1.779	
75	M75	15.0	68.0	66.7	78.5	2.5	3.0	100.0	108.0	96.0	75CW1RA	PVC30	2.370	
90	M90	15.0	80.0	76.2	90.4	3.0	3.5	114.0	123.1	120.0	90CW1RA	PVC32	3.515	
100	M100	15.0	91.0	86.1	101.5	3.15	4.0	123.0	132.8	140.0	100CW1RA	LSF33	4.100	
115	M115	15.0	98.0	101.5	110.3	3.15	4.0	133.4	144.1	160.0	115CW1RA	LSF34	4.600	
130	M130	15.0	115.0	114.2	123.3	3.15	4.0	146.1	157.8	169.0	130CW1RA	LSF35	5.200	

Dimensions are displayed in millimetres unless otherwise stated

NOTE: *CMP SOLO LSF Halogen Free Shrouds also available on request. + Alternative armour clamping range available for non-standard armour sizes.

Cable Gland Size	Entry Thread "C"	Minimum 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)
			Max	Min	Max	Min	Max	Max	Max					
20S/16	M20	0.394	0.343	0.240	0.453	0.035	0.039	0.945	1.020	1.693	20S16CW1RA	PVC04	4.16	
20S	M20	0.394	0.461	0.374	0.626	0.035	0.049	0.945	1.020	1.693	20SCW1RA	PVC04	4.16	
20	M20	0.394	0.551	0.492	0.823	0.035	0.049	1.201	1.295	1.969	20CW1RA	PVC06	5.61	
25S	M25	0.394	0.787	0.551	0.866	0.049	0.063	1.417	1.531	2.165	25SCW1RA	PVC09	8.04	
25	M25	0.394	0.787	0.717	1.031	0.049	0.063	1.417	1.531	2.165	25CW1RA	PVC09	8.04	
32	M32	0.394	1.035	0.933	1.335	0.063	0.079	1.811	1.957	2.283	32CW1RA	PVC11	12.77	
40	M40	0.591	1.268	1.098	1.591	0.063	0.079	2.165	2.339	2.165	40CW1RA	PVC15	18.34	
50S	M50	0.591	1.504	1.386	1.839	0.079	0.098	2.362	2.551	2.205	50SCW1RA	PVC18	20.42	
50	M50	0.591	1.736	1.591	2.091	0.079	0.098	2.760	2.980	2.756	50CW1RA	PVC21	21.20	
63S	M63	0.591	1.969	1.795	2.339	0.079	0.098	2.953	3.189	2.756	63SCW1RA	PVC23	37.18	
63	M63	0.591	2.205	2.150	2.594	0.079	0.098	3.150	3.402	3.150	63CW1RA	PVC25	42.33	
75S	M75	0.591	2.441	2.323	2.839	0.079	0.098	3.543	3.827	3.193	75SCW1RA	PVC28	62.75	
75	M75	0.591	2.677	2.626	3.091	0.098	0.118	3.937	4.252	3.780	75CW1RA	PVC30	83.60	
90	M90	0.591	3.150	3.000	3.559	0.118	0.138	4.488	4.846	4.724	90CW1RA	PVC32	123.99	
100	M100	0.591	3.583	3.390	3.996	0.124	0.157	4.843	5.228	5.512	100CW1RA	LSF33	144.62	
115	M115	0.591	3.858	3.996	4.343	0.124	0.157	5.252	5.673	6.299	115CW1RA	LSF34	162.26	
130	M130	0.591	4.528	4.496	4.854	0.124	0.157	5.752	6.213	6.654	130CW1RA	LSF35	183.42	

Dimensions are displayed in inches unless otherwise stated

NOTE: *CMP SOLO LSF Halogen Free Shrouds also available on request. + Alternative armour clamping range available for non-standard armour sizes.



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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
ABS Approval No.	01-LD234401/1-PDA
Lloyds Approval No.	01/00171
Type	CW
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	Single Wire Armour (SWA)
Armour Clamping	Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP "LRS" TM Outer Seal (Load Retention Seal)
Sealing Area(s)	Cable Outer Sheath
Accessories	Adaptor/Reducer , Earth Tag , Locknut , Serrated Washer , Entry Thread Seal , Shroud
Gland Kits Available	Gland kit for use with all types of SWA cable including 2 Brass Glands, 2 Steel Locknuts, 2 Brass Earth Tags and 2 PVC Shrouds for sizes up to and including 32mm. For sizes 40mm and above each kit includes 1 of each component.

