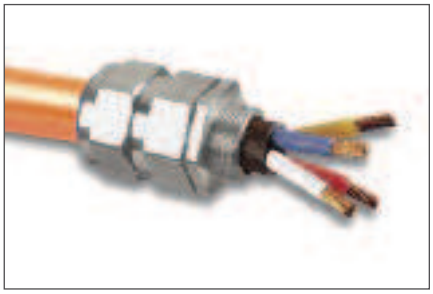
CWD CABLE GLAND

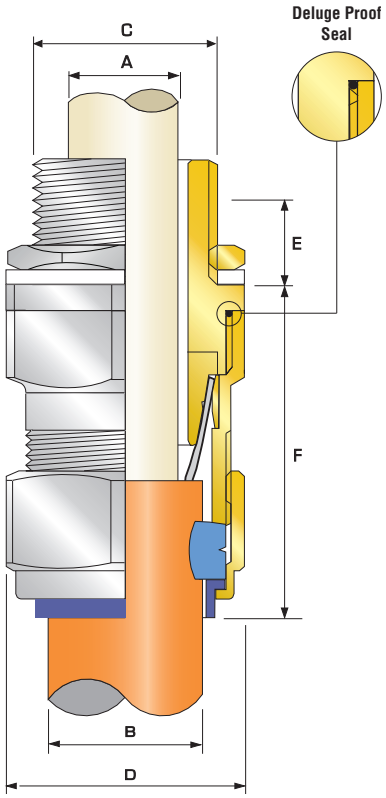


CWD Industrial Cable Gland

CMP CWD Type Nickel Plated 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. The cable gland also provides mechanical cable retention and electrical continuity via armour wire 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.

The CMP CWD 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 IEC 62444 : 2010, and is produced from Brass grade CuZn39Pb3 (CW614N) to EN12168 equal to alloy 385 to AS/NZS 1567 with Electroless Nickel Plating as standard. All metallic cable gland components are manufactured from the same grade of material. Brass locknuts are produced in the same grade as the cable gland.

TECHNICAL DATA	
Type	CWD
Design Specification	BS 6121:Part 1:1989, EN 50262:1999, IEC 62444 : 2010
Mechanical Classifications	Impact = Level 8, Retention = Class B (EN 50262), Class D (IEC 62444)
Electrical Classifications	Category B
Continuous Operating Temperature	-60°C to +150°C
Ingress Protection Rating	IP66, IP67, IP68
Standard Cable Gland Material	Electroless Nickel Plated Brass
Alternative Cable Gland Material	Stainless Steel, Aluminium
Seal Material	CMP Formulated Thermoplastic Elastomer
Cable Type	Single Wire Armour (SWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP "LRS" ™ Outer Seal (Load Retention Seal)
Sealing Area(s)	Cable Outer Sheath
Optional Accessories	Adaptor/Reducer, Earth Tag, Serrated Washer, Shroud



Note: Entry Thread Sealing Washer and Heavy Duty Locknut included as standard

Cable Gland Selection Table

Cable Gland Size	Standard Metric Entry Thread 'C'	Minimum Thread Length 'E'	Cable Bedding Diameter 'A'	Overall Cable Diameter 'B'		Armour Range †		Across Flats 'D'	Across Corners 'D'	Nominal Protrusion Length 'F'	Ordering Reference	Shroud Reference*	Cable Gland Weight (Kgs)
			Max	Min	Max	Min	Max	Max	Max				
20S/16	M20	20.0	8.7	6.1	11.5	0.8	1.0	24.0	26.6	43.0	20S16CWD1RA5/A	PVC04	0.118
20S	M20	20.0	11.7	9.5	15.9	0.8	1.25	24.0	26.6	43.0	20SCWD1RA5/A	PVC04	0.118
20	M20	20.0	14.0	12.5	20.9	0.8	1.25	30.5	33.3	50.0	20CWD1RA5/A	PVC06	0.159
25S	M25	20.0	19.9	14.0	22.0	1.25	1.6	36.0	40.0	55.0	25SCWD1RA5/A	PVC09	0.228
25	M25	20.0	20.0	18.2	26.2	1.25	1.6	36.0	40.0	55.0	25CWD1RA5/A	PVC09	0.228
32	M32	20.0	26.3	23.7	33.9	1.6	2.0	46.0	51.0	55.0	32CWD1RA5/A	PVC11	0.362
40	M40	20.0	32.2	27.9	40.4	1.6	2.0	55.0	61.0	55.0	40CWD1RA5/A	PVC15	0.520
50S	M50	20.0	38.2	35.2	46.7	2.0	2.5	60.0	66.5	56.0	50SCWD1RA5/A	PVC18	0.579
50	M50	20.0	44.1	40.4	53.1	2.0	2.5	70.1	78.6	70.0	50CWD1RA5/A	PVC21	0.601
63S	M63	20.0	50.0	45.6	59.4	2.0	2.5	75.0	83.2	70.0	63SCWD1RA5/A	PVC23	1.054
63	M63	20.0	56.0	54.6	65.9	2.0	2.5	80.0	89.0	80.0	63CWD1RA5/A	PVC25	1.200
75S	M75	20.0	62.0	59.0	72.1	2.0	2.5	90.0	101.6	81.0	75SCWD1RA5/A	PVC28	1.779
75	M75	20.0	68.0	66.7	78.5	2.0	2.5	100.0	111.1	96.0	75CWD1RA5/A	PVC30	2.370
90	M90	24.0	80.0	76.2	90.4	3.15	3.15	114.0	128.6	120.0	90CWD1RA5/A	PVC32	3.515
100	M100	24.0	91.0	89.1	101.5	3.15	4.0	123.0	136.0	140.0	100CWD1RA5/A	LSF33	4.100
115	M115	24.0	98.0	101.3	110.3	3.15	4.0	133.4	147.8	160.0	115CWD1RA5/A	LSF34	4.600
130	M130	24.0	115.0	114.0	123.3	3.15	4.0	146.1	152.4	169.0	130CWD1RA5/A	LSF35	5.200
All dimensions in millimetres													

Note: *LSF Shrouds also available on request. † Alternative armour clamping range available for non-standard armour sizes.