



CWe

Ex e Ex ta

CWe Internationally Approved, Ex eb, Explosive Atmosphere Cable Gland

For all types of Steel & Aluminium Wire Armoured Cables

- Metal-to-metal armour clamping
- Direct & remote installation
- Permanently crimped, low impedance earth termination
- Secure against self-loosening
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Internationally marked, IECEx & ATEX
- Superior EMC performance



Deluge Proof version available, ferrule colour coded white for ease of identification, please add "D" after the product type.

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	CML 18ATEX1323X
Code of Protection	⊕ II 2G, II 1D, Ex eb IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,7,31
IECEx Certificate	IECEx CML 18.0180X
Code of Protection	Ex eb IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,7,31
EAC Certificate	TC RU C-GB.AA87.B.00487
UkrSEPRO	UA.TR.047.C.0644-15
NEPSI Certificate	GYJ18.1435X
CCOE / PESO (India) Certificate	P333688
INMETRO Approval	TÜV 12.0617X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 DNV: TAE000000Y ABS: 16-LD1478091-PDA, BV: 43180 A1 BV
Ingress Protection Rating**	IP66 as standard (IP67, IP68*** available upon request)
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA),
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Outer Load Retention Seal (LRS)
Sealing Area(s)	Outer Cable Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Metric	Thread Length (Metric) "E"	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)
				Max	Min	Min	Max				Max	Max	Size		
20S16	M20	15.0	8.7	6.1	13.1	0.8	1.25	24.0	26.4	48.0	20S16	CWE	1RA	PVC04	0.10
20S	M20	15.0	11.7	9.5	15.9	0.8	1.25	24.0	26.4	48.0	20S	CWE	1RA	PVC04	0.10
20	M20	15.0	14.0	12.5	20.9	0.8	1.25	30.5	33.6	48.0	20	CWE	1RA	PVC06	0.15
25S	M25	15.0	20.0	14.0	22.0	1.25	1.6	37.5	41.3	56.0	25S	CWE	1RA	PVC09	0.22
25	M25	15.0	20.0	18.2	26.2	1.25	1.6	37.5	41.3	56.0	25	CWE	1RA	PVC09	0.22
32	M32	15.0	26.0	23.7	33.9	1.6	2.0	46.0	50.6	54.0	32	CWE	1RA	PVC11	0.31
40	M40	15.0	32.2	27.9	40.4	1.6	2.0	55.0	60.5	58.0	40	CWE	1RA	PVC15	0.45
50S	M50	15.0	38.2	35.2	46.7	2.0	2.5	60.0	66.0	61.0	50S	CWE	1RA	PVC18	0.57
50	M50	15.0	44.1	40.4	53.0	2.0	2.5	70.1	77.1	60.0	50	CWE	1RA	PVC21	0.75
63S	M63	15.0	50.0	45.6	59.4	2.0	2.5	75.0	82.5	74.0	63S	CWE	1RA	PVC23	1.04
63	M63	15.0	56.0	54.6	65.8	2.0	2.5	80.0	88.0	71.0	63	CWE	1RA	PVC25	1.02
75S	M75	15.0	62.0	59.0	72.0	2.0	2.5	90.0	99.0	86.0	75S	CWE	1RA	PVC28	1.79
75	M75	15.0	64.2	66.7	78.4	2.5	3.0	100.0	110.0	82.0	75	CWE	1RA	PVC30	2.09
90	M90	24.0	78.6	76.2	90.3	3.15	4.0	114.3	125.7	95.0	90	CWE	1RA	PVC32	3.04
100	M100	24.0	91.0	86.1	101.4	3.15	4.0	123.0	135.3	95.0	100	CWE	1RA	LSF33	3.13
115	M115	24.0	98.0	101.5	110.2	3.15	4.0	133.4	146.7	107.5	115	CWE	1RA	LSF34	4.48
130	M130	24.0	115.0	110.2	123.2	3.15	4.0	152.4	167.6	110.0	130	CWE	1RA	LSF35	5.76

*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass 'S'; 316 Grade Stainless Steel '4'; 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: 32CWE1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SCWE1RA035 = Brass 1 1/2" NPT, 25CWE1RA432 = Stainless Steel 3/4" NPT, 20CWE1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated