



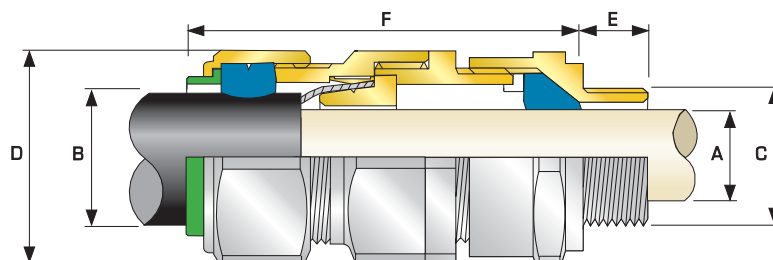
E1FW/M

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E1FW/M Mining, Internationally Approved, Explosive Atmosphere Cable Gland

For all types Steel & Aluminium Wire Armoured cables

- High quality durable materials
- Wide sealing range for each cable gland size
- Fully sequential, three step installation procedure
- Reduces subjectivity of installations
- Metal-to-metal armour clamping
- Direct & remote installation
- Displacement type flameproof inner seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- EMC tested



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1071X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7
IECEx Certificate	IECEx SIR 13.0026X, IECEx SIM 14.0007X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating	IP66 as standard (IP67, IP68 available upon request)**
Cable Gland Material	Brass, Electroless Nickel Plated Brass
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	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Cable Inner Bedding & Outer Cable Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

** 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.

Dimensions listed below are for metric cable glands only

Dimensions for alternative threads may vary, please see supplementary technical data sheet

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										Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT	Min	Max	Min	Max	Min	Max	Max	Max	Size	Type	Ordering Suffix			
20s16	M20	15.0	1/2"	19.9	3/4"	3.1	8.6	6.1	13.1	0.8	1.25	24.0	26.4	72.5	20S16	E1FW	1RA/M	PVC04	0.157
20S	M20	15.0	1/2"	19.9	3/4"	6.1	11.6	9.5	15.9	0.8	1.25	24.0	26.4	70.0	20S	E1FW	1RA/M	PVC04	0.157
20	M20	15.0	1/2"	19.9	3/4"	6.5	13.9	12.5	20.9	0.8	1.25	30.5	33.6	73.0	20	E1FW	1RA/M	PVC06	0.206
25S	M25	15.0	3/4"	20.2	1"	11.1	19.9	14.0	22.0	1.25	1.6	37.5	41.3	89.0	25S	E1FW	1RA/M	PVC09	0.325
25	M25	15.0	3/4"	20.2	1"	11.1	19.9	18.2	26.2	1.25	1.6	37.5	41.3	89.0	25	E1FW	1RA/M	PVC09	0.325
32	M32	15.0	1"	25.0	1 1/4"	17.0	26.2	23.7	33.9	1.6	2.0	46.0	50.6	86.0	32	E1FW	1RA/M	PVC11	0.430
40	M40	15.0	1 1/4"	25.6	1 1/2"	22.0	32.1	27.9	40.4	1.6	2.0	55.0	60.5	90.0	40	E1FW	1RA/M	PVC15	0.620
50S	M50	15.0	1 1/2"	26.1	2"	29.5	38.1	35.2	46.7	2.0	2.5	60.0	66.0	91.0	50S	E1FW	1RA/M	PVC18	0.750
50	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	40.4	53.0	2.0	2.5	70.1	77.1	95.0	50	E1FW	1RA/M	PVC21	0.950
63S	M63	15.0	2"	26.9	2 1/2"	40.1	49.9	45.6	59.4	2.0	2.5	75.0	82.5	102.0	63S	E1FW	1RA/M	PVC23	1.337
63	M63	15.0	2 1/2"	39.9	3"	47.2	55.9	54.6	65.8	2.0	2.5	80.0	88.0	104.0	63	E1FW	1RA/M	PVC25	1.340
75S	M75	15.0	2 1/2"	39.9	3"	52.8	61.9	59.0	72.0	2.0	2.5	90.0	99.0	115.0	75S	E1FW	1RA/M	PVC28	2.110
75	M75	15.0	3"	41.5	3 1/2"	59.1	67.9	66.7	78.4	2.5	3.0	100.0	110.0	117.0	75	E1FW	1RA/M	PVC30	2.420

*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: 32E1FWM1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SE1FWM1RA035 = Brass 1-1/2" NPT, 25E1FWM1RA432 = Stainless Steel 3/4" NPT, 20E1FWM1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

