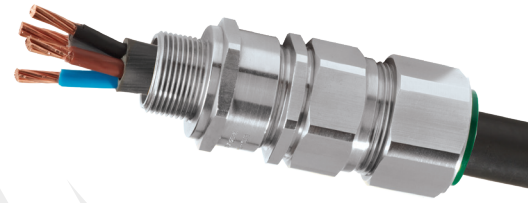


# E1FX/M

**E1FX/M MINING, INTERNATIONALLY APPROVED, EXPLOSIVE ATMOSPHERE CABLE GLAND**

## FOR PLIABLE 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
- Internationally marked, UKEX, IECEx & ATEX
- Superior EMC performance



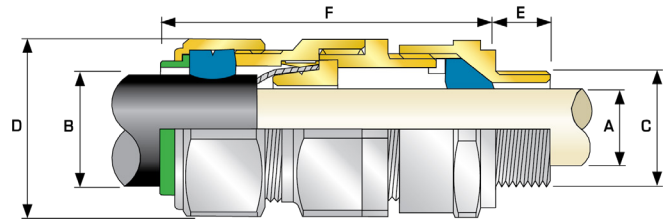
<b>IP66</b>	<b>IP67</b>	<b>IP68</b>
<b>EMC</b>		<b>+130°C</b> ↑ <b>-60°C</b>
<b>Ex eb</b>	<b>Ex db</b>	

TECHNICAL CLASSIFICATION	
DESIGN SPECIFICATION	BS 6121:Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Class D
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ELECTRICAL CLASSIFICATIONS*	Category B
INGRESS PROTECTION RATING**	IP66 as standard (IP67, IP68*** available upon request)
CABLE TYPE	Pliable Wire Armour (PWA)
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer
SEALING TECHNIQUE	CMP Inner Displacement Seal & Unique CMP 'LRS' <sup>TM</sup> Outer Load Retention Seal
SEALING AREA(S)	Cable Inner Bedding & Outer Cable Sheath
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass
ARMOUR CLAMPING	Detachable Armour Cone & AnyWay Universal Clamping Ring

GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1324X	IECEx CERTIFICATE	IECEx CML 18.0181X
UKEX CERTIFICATE	CML 21UKEX1252X		
CODE OF PROTECTION	⊕ I M2 Ex db I Mb, Ex eb I Mb	CODE OF PROTECTION	Ex db I Mb, Ex eb I Mb
COMPLIANCE STANDARDS	EN 60079-0,1,7	COMPLIANCE STANDARDS	IEC 60079-0,1,7



\* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444 \*\* When CMP installation accessories are used. Refer to [www.cmp-products.com](http://www.cmp-products.com) for further information. \*\*\* IP68 tested to a minimum depth of 30 metres for 12 hours, alternative depths / durations can be provided upon request



COMBINED ORDERING REFERENCE (*BRASS METRIC)			AVAILABLE ENTRY THREADS 'C' (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)					CABLE BEDDING DIAMETER 'A'		OVERALL CABLE DIAMETER 'B'		PLIABLE ARMOUR WIRE		ACROSS FLATS 'D'		ACROSS CORNERS 'D'		PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (kg)
			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	MAX	MAX			
20S16	E1FX	1RA/M	M20	15.0	½"	19.9	¾"	3.1	8.6	6.1	13.1	0.0	7/0.45	24.0	26.4	72.5	PVC04	0.157		
20S	E1FX	1RA/M	M20	15.0	½"	19.9	¾"	6.1	11.6	9.5	15.9	0.0	7/0.45	24.0	26.4	70.0	PVC04	0.157		
20	E1FX	1RA/M	M20	15.0	½"	19.9	¾"	6.5	13.9	12.5	20.9	0.0	7/0.45	30.5	33.6	73.0	PVC06	0.206		
25S	E1FX	1RA/M	M25	15.0	¾"	20.2	1"	11.1	19.9	14.0	22.0	0.0	7/0.45	37.5	41.3	89.0	PVC09	0.325		
25	E1FX	1RA/M	M25	15.0	¾"	20.2	1"	11.1	19.9	18.2	26.2	0.0	7/0.45	37.5	41.3	89.0	PVC09	0.325		
32	E1FX	1RA/M	M32	15.0	1"	25.0	1 ¼"	17.0	26.2	23.7	33.9	0.0	7/0.45	46.0	50.6	86.0	PVC11	0.430		
40	E1FX	1RA/M	M40	15.0	1 ¼"	25.6	1 ½"	22.0	32.1	27.9	40.4	0.0	7/0.71	55.0	60.5	90.0	PVC15	0.620		
50S	E1FX	1RA/M	M50	15.0	1 ½"	26.1	2"	29.5	38.1	35.2	46.7	0.0	7/0.71	60.0	66.0	91.0	PVC18	0.750		
50	E1FX	1RA/M	M50	15.0	2"	26.9	2 ½"	35.6	44.0	40.4	53.0	0.0	7/0.71	70.1	77.1	95.0	PVC21	0.950		
63S	E1FX	1RA/M	M63	15.0	2"	26.9	2 ½"	40.1	49.9	45.6	59.4	0.0	7/0.71	75.0	82.5	102.0	PVC23	1.337		
63	E1FX	1RA/M	M63	15.0	2 ½"	39.9	3"	47.2	55.9	54.6	65.8	0.0	7/0.71	80.0	88.0	104.0	PVC25	1.340		
75S	E1FX	1RA/M	M75	15.0	2 ½"	39.9	3"	52.8	61.9	59.0	72.0	0.0	7/0.71	90.0	99.0	115.0	PVC28	2.110		
75	E1FX	1RA/M	M75	15.0	3"	41.5	3 ½"	59.1	67.9	66.7	78.4	0.0	7/0.71	100.0	110.0	117.0	PVC30	2.420		

\* For material options add the following suffix to the ordering reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'  
For NPT options add the following digits to the material suffix; ½" = 31; ¾" = 32; 1" = 33; 1 ¼" = 34; 1 ½" = 35; 2" = 36; 2 ½" = 37; 3" = 38; 3 ½" = 39; 4" = 310 (Brass requires prefix '0')  
Examples: 32E1FX1RA/M534 = Nickel Plated Brass 1 ½" NPT, 50SE1FX1RA/M035 = Brass 1 ½" NPT, 25E1FX1RA/M432 = Stainless Steel ¾" NPT, 20E1FX1RA/M5 = Nickel Plated Brass M20  
Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary, please see supplementary technical data sheet.