specs@eutexinternational.com

EUTEX INTERNATIONAL

E1FX CABLE GLAND

E1FX INTERNATIONALLY APPROVED, EXPLOSIVE ATMOSPHERE CABLE GLAND

IP67 IP68 IP66 +130°C ↑ -60°C

Ex db Ex eb Ex nR Ex ta XXX EMC

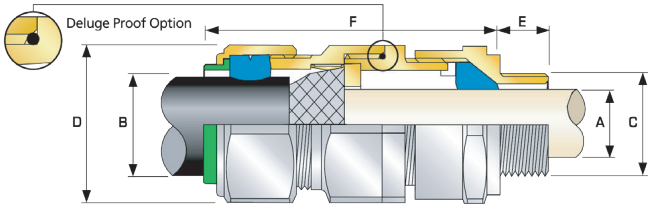
FOR BRAIDED & STEEL TAPE ARMOURED CABLES

- Metal-to-metal armour clamping
- Direct and remote installation
- Displacement type flameproof inner seal
- Controlled outer load retention seal
- Designed to reduce the effects of coldflow, see Technical Document TS001
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Globally marked cCSAus, IECEx, ATEX and UKEX
- Superior EMC performance

GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1324X, CML18ATEX4316X	IECEx CERTIFICATE	IECEx CML 18.0181X
UKEX CERTIFICATE	CML 21UKEX1252X, CML 21UKEX4253X		
CODE OF PROTECTION	Ⓔx II 2G 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da Ⓔx II 3G Ex nR IIC Gc, Ⓔx I M2 Ex db I Mb, Ex eb I Mb	CODE OF PROTECTION	Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex db I Mb, Ex eb I Mb
COMPLIANCE STANDARDS	EN 60079-0,1,7,15,31	COMPLIANCE STANDARDS	IEC 60079-0,1,7,15,31
cCSAus CERTIFICATE (20S16 - 90)	1310517		
CSAus CODE OF PROTECTION	Class II, Div 2, Groups E,F and G, Class III, Enclosure Type 4X, Class I, Zone 1, AEx e II, AEx nR II		
cCSA CODE OF PROTECTION	Class I, Div 2, Groups A,B,C and D, Class II, Div 2, Groups E,F and G, Class III, Enclosure Type 4X, Ex d IIC, Ex e II, Ex nR II		
COMPLIANCE STANDARDS	CAN/CSA-C22.2 No 0, 18, 25, 30, 94, 174, CAN/CSA-60079-0, 1, 7, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0, 1, 7		
EAC CERTIFICATE	RU C-GB.АД07.В.02515/20	CCOE / PESO (INDIA) CERTIFICATE	P444949
CCC CERTIFICATE	2020322313002870	INMETRO APPROVAL	TÜV 12.0618X
RETIE APPROVAL NUMBER	03866	ECAS CERTIFICATE	20-02-06421
Kcs KOSHA CERTIFICATE	14-GA4BO-0257X	UkrSEPRO CERTIFICATE	СЦ 19.0371X
SANS	IA MS-XPL21804 21.0010X		
MARINE APPROVALS	LRS: 01/00172, DNV: TAE000000Y, ABS: 20-LD1948801-PDA, BV: 43180		

TECHNICAL CLASSIFICATION	
DESIGN SPECIFICATION	BS 6121:Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Type B
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass and Stainless Steel only
ELECTRICAL CLASSIFICATIONS	Category B (Category A when used with braid, tape or pliable wire armour cables)
INGRESS PROTECTION RATING**	IP66 as standard (IP67, IP68*** available upon request)
DELUGE PROTECTION COMPLIANCE	DTS01:91 option available on request (white ferrule for identification purposes)
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Aluminium
SEAL MATERIAL	SOLO LSF Halogen Free Thermoset Elastomer
CABLE TYPE	Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Wire Braid Armour (e.g. SWB), Aluminium Strip Armour (ASA), Armoured and Jacketed
SEALING TECHNIQUE	Inner Displacement Seal and Outer Load Retention Seal
SEALING AREA(S)	Cable Inner Bedding and Outer Cable Sheath
ARMOUR CLAMPING	Detachable Armour Cone and AnyWay Universal Clamping Ring

* Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444
*** IP68 tested to a minimum depth of 30 metres for 12 hours, alternative depths / durations can be provided upon request



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armour (STA, DSTA) and Aluminium Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminium Wire Armour (AWA) and Pliable Wire Armour (PWA) if the range is outside that of the Stepped Cone (W). Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armour cables. Tapes can also be doubled over. For cables that have only a single layer of armour such as SWA the clamping range should be used as shown in the table below.

EUTEX ORDERING REFERENCE (*BRASS METRIC)	AVAILABLE ENTRY THREADS 'C' (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)					CABLE BEDDING DIAMETER 'A'		OVERALL CABLE DIAMETER 'B'		ARMOUR RANGE † GROOVED CONE (X)		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (kg)
	STANDARD				OPTION											
	METRIC	THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	NPT	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX			
20S16 E1FX	M20	15.0	½"	19.9	¾"	3.1	8.6	6.1	13.1	0.3	1.0	24.0	26.4	72.5	PVC04	0.16
20S E1FX	M20	15.0	½"	19.9	¾"	6.1	11.6	9.5	15.9	0.3	1.0	24.0	26.4	70.0	PVC04	0.15
20 E1FX	M20	15.0	½"	19.9	¾"	6.5	13.9	12.5	20.9	0.4	1.0	30.5	33.6	73.0	PVC06	0.21
25S E1FX	M25	15.0	¾"	20.2	1"	11.1	19.9	14.0	22.0	0.4	1.2	37.5	41.3	89.0	PVC09	0.33
25 E1FX	M25	15.0	¾"	20.2	1"	11.1	19.9	18.2	26.2	0.4	1.2	37.5	41.3	89.0	PVC09	0.33
32 E1FX	M32	15.0	1"	25.0	1 ¼"	17.0	26.2	23.7	33.9	0.4	1.2	46.0	50.6	86.0	PVC11	0.43
40 E1FX	M40	15.0	1 ¼"	25.6	1 ½"	22.0	32.1	27.9	40.4	0.4	1.6	55.0	60.5	90.0	PVC15	0.62
50S E1FX	M50	15.0	1 ½"	26.1	2"	29.5	38.1	35.2	46.7	0.4	1.6	60.0	66.0	91.0	PVC18	0.75
50 E1FX	M50	15.0	2"	26.9	2 ½"	35.6	44.0	40.4	53.0	0.6	1.6	70.1	77.1	95.0	PVC21	0.95
63S E1FX	M63	15.0	2"	26.9	2 ½"	40.1	49.9	45.6	59.4	0.6	1.6	75.0	82.5	102.0	PVC23	1.34
63 E1FX	M63	15.0	2 ½"	39.9	3"	47.2	55.9	54.6	65.8	0.6	1.6	80.0	88.0	104.0	PVC25	1.34
75S E1FX	M75	15.0	2 ½"	39.9	3"	52.8	61.9	59.0	72.0	0.6	1.6	90.0	99.0	115.0	PVC28	2.11
75 E1FX	M75	15.0	3"	41.5	3 ½"	59.1	67.9	66.7	78.4	0.6	1.6	100.0	110.0	117.0	PVC30	2.42
90 E1FX	M90	24.0	3 ½"	42.8	4"	66.6	78.6	76.2	90.3	0.8	1.6	114.3	125.4	147.0	PVC32	4.21
100 E1FX	M100	24.0	3 ½"	42.8	4"	76.0	90.9	86.1	101.4	0.8	1.6	123.0	135.3	140.0	LSF33	4.45
115 E1FX	M115	24.0	4"	44.0	5"	86.0	97.9	101.5	110.2	0.8	1.6	133.4	146.7	162.0	LSF34	6.19
130 E1FX	M130	24.0	5"	46.8	-	97.0	114.9	110.2	123.2	0.8	1.6	152.4	167.6	174.0	LSF35	8.34

*Note : For material options please add the following suffix to change the ordering reference ; Brass (no suffix required), Nickel Plated Brass "5", 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: 32E1FX1RA534 = Nickel Plated Brass 1 ¼" NPT, 50SE1FX1RA035 = Brass 1 ½" NPT, 20E1FX1RA5 = 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.