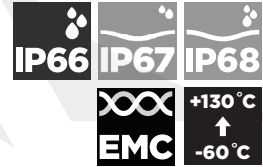


E1FW

E1FW GLOBALLY APPROVED, EXPLOSIVE ATMOSPHERE CABLE GLAND

FOR ALL TYPES OF STEEL & ALUMINIUM WIRE ARMoured CABLES

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

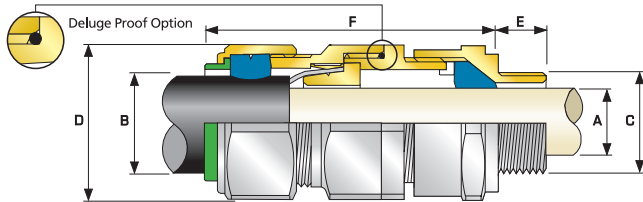


Ex db Ex eb Ex ta Ex nR

TECHNICAL CLASSIFICATION

DESIGN SPECIFICATION	BS 6121: Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Type D
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass and Stainless Steel only
ELECTRICAL CLASSIFICATIONS*	Category B
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	CMP SOLO LSF Halogen Free Thermoset Elastomer
CABLE TYPE	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
ARMOUR CLAMPING	Detachable Armour Cone and AnyWay Universal Clamping Ring
SEALING TECHNIQUE	CMP Inner Displacement Seal and Outer Load Retention Seal
SEALING AREA(S)	Cable Inner Bedding and Outer Cable Sheath

* Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444 ** When CMP installation accessories are used. Refer to 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



GLOBAL PRODUCT CERTIFICATION

ATEX CERTIFICATE	CML18ATEX1324X, CML18ATEX4316X	IECEx CERTIFICATE	IECEx CML 18.0181X
UKEX CERTIFICATE	CML 21UKEX1252X, CML 21UKEX4253X		
CODE OF PROTECTION	⊕ II 2G 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, ⊕ II 3G Ex nR IIC Gc, ⊕ 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	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, 15, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL 60079-0, 1, 7		
EAC CERTIFICATE	EA3C KZ 7100841.01.07869	CCOE / PESO (INDIA) CERTIFICATE	P613077, P613080, P613081
CCC CERTIFICATE	2020322313002870	INMETRO APPROVAL	TÜV 12.0618X
UKrSEPRO CERTIFICATE	CLQ 19.0371X		
KCS KOSHA CERTIFICATE	14-GA4B0-0257X	ECAS CERTIFICATE	24-03-106290/E24-03-110155/NB007
SANS	IA MS-XLP/21.0010 X	TS - TAIWAN CERTIFICATE	ML091200702UJ1
MARINE APPROVALS	LRS: LR22320739TA, DNV: TAE000000Y, ABS: 25-0285992-PDA, BV: 43180		



COMBINED ORDERING REFERENCE			AVAILABLE ENTRY THREADS 'C'					CABLE BEDDING DIAMETER 'A'		OVERALL CABLE DIAMETER 'B'		ARMOUR RANGE		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (kg)
			STANDARD				OPTION											
SIZE	TYPE	ORDERING SUFFIX	METRIC	THREAD LENGTH 'E'	NPT	THREAD LENGTH (NPT) 'E'	NPT	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX			
20S16	E1FW	1RA5	M20	15.0	½"	19.9	¾"	3.1	8.6	6.1	13.1	0.8	1.25	24.0	26.4	72.5	PVC04	0.16
20S	E1FW	1RA5	M20	15.0	½"	19.9	¾"	6.1	11.6	9.5	15.9	0.8	1.25	24.0	26.4	70.0	PVC04	0.15
20	E1FW	1RA5	M20	15.0	½"	19.9	¾"	6.5	13.9	12.5	20.9	0.8	1.25	30.5	33.6	73.0	PVC06	0.21
25S	E1FW	1RA5	M25	15.0	¾"	20.2	1"	11.1	19.9	14.0	22.0	1.25	1.6	37.5	41.3	89.0	PVC09	0.33
25	E1FW	1RA5	M25	15.0	¾"	20.2	1"	11.1	19.9	18.2	26.2	1.25	1.6	37.5	41.3	89.0	PVC09	0.33
32	E1FW	1RA5	M32	15.0	1"	25.0	1 ¼"	17.0	26.2	23.7	33.9	1.6	2.0	46.0	50.6	86.0	PVC11	0.43
40	E1FW	1RA5	M40	15.0	1 ¼"	25.6	1 ½"	22.0	32.1	27.9	40.4	1.6	2.0	55.0	60.5	90.0	PVC15	0.62
50S	E1FW	1RA5	M50	15.0	1 ½"	26.1	2"	29.5	38.1	35.2	46.7	2.0	2.5	60.0	66.0	91.0	PVC18	0.75
50	E1FW	1RA5	M50	15.0	2"	26.9	2 ½"	35.6	44.0	40.4	53.0	2.0	2.5	70.1	77.1	95.0	PVC21	0.95
63S	E1FW	1RA5	M63	15.0	2"	26.9	2 ½"	40.1	49.9	45.6	59.4	2.0	2.5	75.0	82.5	102.0	PVC23	1.34
63	E1FW	1RA5	M63	15.0	2 ½"	39.9	3"	47.2	55.9	54.6	65.8	2.0	2.5	80.0	88.0	104.0	PVC25	1.34
75S	E1FW	1RA5	M75	15.0	2 ½"	39.9	3"	52.8	61.9	59.0	72.0	2.0	2.5	90.0	99.0	115.0	PVC28	2.11
75	E1FW	1RA5	M75	15.0	3"	41.5	3 ½"	59.1	67.9	66.7	78.4	2.5	3.0	100.0	110.0	117.0	PVC30	2.42
90	E1FW	1RA5	M90	24.0	3 ½"	42.8	4"	66.6	78.6	76.2	90.3	3.15	4.0	114.3	125.4	147.0	PVC32	4.21
100	E1FW	1RA5	M100	24.0	3 ½"	42.8	4"	76.0	90.0	86.1	101.4	3.15	4.0	123.0	135.3	140.0	LSF33	4.45
115	E1FW	1RA5	M115	24.0	4"	44.0	5"	86.0	97.9	101.5	110.2	3.15	4.0	133.4	146.7	162.0	LSF34	6.19
130	E1FW	1RA5	M130	24.0	5"	46.8	-	97.0	114.9	110.2	123.2	3.15	4.0	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; 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: 32E1FW1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SE1FW1RA035 = Brass 1 1/2" NPT, 20E1FW1RA5 = 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.