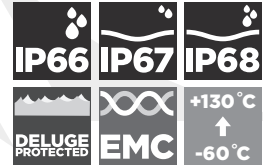


# TE1FU

## TE1FU GLOBALLY APPROVED, EXPLOSIVE ATMOSPHERE CABLE GLAND

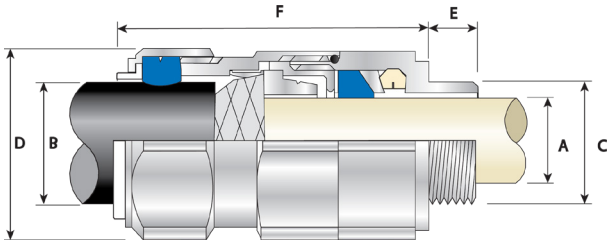
### FOR ALL TYPES OF ARMoured CABLES

- Stainless steel compact design
- Fully sequential, three step installation procedure
- Direct and remote installation
- Unique compensating displacement seal system(CDS)
- Metal-to-metal installation regardless of cable bedding diameter
- Integral protected deluge seal
- -60°C to +130°C
- Designed to reduce the effects of coldflow, see CMP Technical Document TSO02
- Controlled outer load retention seal
- Unique OSTG prevents overtightening
- Globally marked cCSAus, IECEx, ATEX and UKEX
- Superior EMC performance
- Reduces installation times, cost and risk



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 (Category A when used with braid, tape or pliable wire armour cables)
INGRESS PROTECTION RATING**	IP66, IP67 and IP68***
DELUGE PROTECTION COMPLIANCE	DTS01 : 91
CABLE GLAND MATERIAL	Stainless Steel
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer
CABLE TYPE	Single Wire Armour (SWA), Aluminium Wire Armour (AWA), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Aluminium Strip Armour (ASA), Screened Flexible (EMC) Wire Braid (e.g CV/SY), Wire Braid Armour (e.g SWB)
SEALING TECHNIQUE	CMP Inner Compensating Displacement Seal (CDS) and Outer Load Retention Seal
SEALING AREA(S)	Cable Inner Bedding and Outer Cable Sheath
ARMOUR CLAMPING	Reversible Armour Cone and AnyWay Universal Clamping Ring

\* Mechanical and Electrical Classifications applied as per IEC 62444 and 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



GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1326X, CML 18ATEX4318X	IECEx CERTIFICATE	IECEx CML 18.0183X,
UKEX CERTIFICATE	CML 21UKEX1258X, CML 21UKEX4259X		
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	EN60079-0,1,7,15,31	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, Oil Res II 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 3, 4 and 4X, Ex d IIC, Ex e IIC, Ex nR II		
COMPLIANCE STANDARDS	CAN/CSA-C22.2 No 0, 18, 25, 30, 94, 174, CAN/CSA-E60079-0, 1, 7, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0, 1, 7		
KCS KOSHA CERTIFICATE	19-AV4BO-0375X, 19-AV4BO-0376X, 19-AV4BO-0377X, 19-AV4BO-0378X		
EAC CERTIFICATE	RU C-GB.A.07.B.02514/20	CCOE / PESO (INDIA) CERTIFICATE	P444949
CCC CERTIFICATE	202032313002527	INMETRO APPROVAL	TÜV 11.0374X
RETIE APPROVAL NUMBER	03866	UKSEPRO CERTIFICATE	CL19.0371X
ECAS CERTIFICATE	20-02-05626	SANS	IA MS-SPL21804 21.0011X
MARINE APPROVALS	LRS: 01/00172 DNV: TAE00000Y ABS: 20-LD1948801-PDA, BV: 43180		



PATENT GRANTED: GB 1077517

1 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. Stepped (W) Cone is suitable for Single Wire Armour (SWA), or Aluminium Wire Armour (AWA) cables.

COMBINED ORDERING REFERENCE (STAINLESS STEEL METRIC)			AVAILABLE ENTRY THREADS 'C' (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)					CABLE BEDDING DIAMETER 'A'		OVERALL CABLE DIAMETER 'B'		ARMOUR RANGE*		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (kg)				
SIZE	TYPE	ORDERING SUFFIX	STANDARD		OPTION		MIN	MAX	MIN	MAX	GROOVED CONE (X)		MAX	MAX	MAX	MAX	MAX	MAX	MAX			
			METRIC	THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'					NPT	MIN								MAX	MIN	MAX
20S16	TE1FU	1RA4	M20	15.0	1/2"	19.9	3/4"	3.1	8.6	6.1	13.1	0.3	1.0	0.8	1.25	24.0	26.4	57.3	PVC04	0.15		
20S	TE1FU	1RA4	M20	15.0	1/2"	19.9	3/4"	6.1	11.6	6.1	11.6	9.5	15.9	0.3	1.0	0.8	1.25	24.0	26.4	57.3	PVC04	0.15
20	TE1FU	1RA4	M20	15.0	1/2"	19.9	3/4"	6.5	13.9	12.5	20.9	0.4	1.0	0.8	1.25	30.5	33.6	61.2	PVC06	0.23		
25S	TE1FU	1RA4	M25	15.0	3/4"	20.2	1"	11.1	19.9	14.0	22.0	0.4	1.2	1.25	1.6	37.5	41.3	74.0	PVC09	0.34		
25	TE1FU	1RA4	M25	15.0	3/4"	20.2	1"	11.1	19.9	18.2	26.2	0.4	1.2	1.25	1.6	37.5	41.3	74.0	PVC09	0.34		
32	TE1FU	1RA4	M32	15.0	1"	25.0	1 1/4"	17.0	26.2	23.7	33.9	0.4	1.2	1.6	2.0	46.0	50.6	78.2	PVC11	0.55		
40	TE1FU	1RA4	M40	15.0	1 1/4"	25.6	1 1/2"	22.0	32.1	27.9	40.4	0.4	1.6	1.6	2.0	55.0	60.5	81.6	PVC15	0.79		
50S	TE1FU	1RA4	M50	15.0	1 1/2"	26.1	2"	29.5	38.1	35.2	46.7	0.4	1.6	2.0	2.5	60.0	66.0	88.1	PVC18	1.00		
50	TE1FU	1RA4	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	40.4	53.0	0.6	1.6	2.0	2.5	70.1	77.1	91.2	PVC21	1.37		
63S	TE1FU	1RA4	M63	15.0	2"	26.9	2 1/2"	40.1	49.9	45.6	59.4	0.6	1.6	2.0	2.5	75.0	82.4	90.5	PVC23	1.50		
63	TE1FU	1RA4	M63	15.0	2 1/2"	39.9	3"	47.2	55.9	54.6	65.8	0.6	1.6	2.0	2.5	80.0	88.0	90.3	PVC25	1.56		
75S	TE1FU	1RA4	M75	15.0	2 1/2"	39.9	3"	52.8	61.9	59.0	72.0	0.6	1.6	2.0	2.5	90.0	99.0	104.7	PVC28	2.45		
75	TE1FU	1RA4	M75	15.0	3"	41.5	3 1/2"	59.1	67.9	66.7	78.4	0.6	1.6	2.5	3.0	100.0	110.0	110.8	PVC30	3.15		
90	TE1FU	1RA4	M90	24.0	3 1/2"	42.8	4"	66.6	78.6	76.2	90.3	0.8	1.6	3.15	4.0	115.0	126.5	135.5	PVC32	4.62		
100	TE1FU	1RA4	M100	24.0	3 1/2"	42.8	4"	76.0	90.9	86.1	101.4	0.8	1.6	3.15	4.0	127.0	139.7	126.8	LSF33	4.95		
115	TE1FU	1RA4	M115	24.0	4"	44.0	5"	86.0	97.9	101.5	110.2	0.8	1.6	3.15	4.0	138.0	151.8	157.5	LSF34	7.60		
130	TE1FU	1RA4	M130	24.0	5"	46.8	-	97.0	114.9	110.2	123.2	0.8	1.6	3.15	4.0	157.0	172.7	164.5	LSF35	8.73		

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: 32TE1FU1RA434 = Stainless Steel 1 1/4" NPT, 50STE1FU1RA435 = 1 1/2" NPT, 25TE1FU1RA432 = Stainless Steel 3/4" NPT

Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary.