T3CDSPB TRITON CDS

TRITON CDS PB (T3CDSPB) GLOBALLY APPROVED, EXPLOSIVE ATMOSPHERE CABLE GLAND

FOR ALL TYPES OF LEAD SHEATHED ARMOURED CABLES

- Effectively earths / grounds lead sheathed cables
- Fully sequential, three step installation procedure
- Direct and remote installation
- Unique compensating displacement seal system (CDS)
- Metal-to-metal installation every time regardless of lead sheath diameter
- Designed to reduce the effects of coldflow, see CMP Technical Document TS002
- Integral protected deluge seal
- Controlled outer load retention seal
- Unique OSTG prevents overtightening
- -60˚C to +130˚C
- Globally marked IECEx, ATEX and UKEX
- Superior EMC performance

IP66 IP67 IP68

EMC DELUGE PROTECTED +130˚C -60˚C

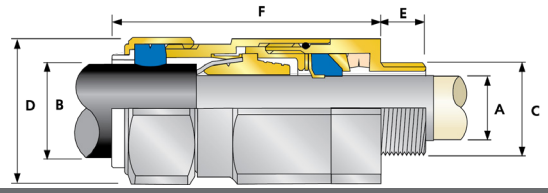
Ex db Ex eb Ex ta Ex nR

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 CLASSIFICATION*	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	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer
CABLE TYPE(S)	Lead Sheathed and Single Wire Armour (LC/SWA), Lead Sheathed and Aluminium Wire Armour (LC/AWA), Lead Sheathed and Wire Braid Armour (LC/SWB), Lead Sheathed and Pliable Wire Armour (LC/PWA), Lead Sheathed and Steel Tape Armour (LC/STA), Lead Sheathed and Aluminium Strip Armour (LC/ASA)
ARMOUR CLAMPING	Reversible Armour Cone and AnyWay Universal Clamping Ring
SEALING TECHNIQUE	Inner Bedding Sealing Ring: Compensating Displacement Seal (CDS), Outer Sheath Sealing Ring : Load Retention Seal (LRS)
SEALING AREA(S)	Cable Inner Lead Covering and Cable Outer 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

PATENT GRANTED: GB 1077517

GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1326X, CML 18ATEX4318X	IECEx CERTIFICATE	IECEx CML 18.0183X
UKEX CERTIFICATE	CML 21UKEX1258X, CML 21UKEX4259X		
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
EAC CERTIFICATE	Check website for latest certificate number	UkrSEPRO CERTIFICATE	СЦ 19.0371X
RETIE APPROVAL NUMBER	03866	CCOE / PESO (INDIA) CERTIFICATE	P444949
CCC CERTIFICATE	2020322313002527	INMETRO APPROVAL	TUV 11.0374X
SANS	IA MS-XPL21804 21.0011X		
MARINE APPROVALS	LRS: 01/00172, DNV: TAE000000Y, ABS: 20-LD1948801-PDA, BV: 43180		



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armour (STA, DSTA) and Aluminum Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminum 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 Aluminum Wire Armour (AWA) cables.

COMBINED ORDERING REFERENCE (*BRASS METRIC)			AVAILABLE ENTRY THREADS 'C' (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)					LEAD SHEATH DIAMETER 'A'		OVERALL CABLE DIAMETER 'B'		ARMOUR RANGE †				ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (kg)
			STANDARD				OPTION					GROOVED CONE (X)		STEPPED CONE (W)						
SIZE	TYPE	ORDERING SUFFIX	METRIC	THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	NPT	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX			
20S16	T3CDSPB	1RA	M20	15.0	½"	19.9	¾"	3.1	7.8	6.1	13.1	0.3	1.0	0.8	1.25	24.0	26.4	78.7	PVC36	0.20
20S	T3CDSPB	1RA	M20	15.0	½"	19.9	¾"	6.1	11.0	9.5	15.9	0.3	1.0	0.8	1.25	24.0	26.4	78.7	PVC36	0.20
20	T3CDSPB	1RA	M20	15.0	½"	19.9	¾"	6.5	13.4	12.5	20.9	0.4	1.0	0.8	1.25	30.5	33.6	76.2	PVC06	0.28
25S	T3CDSPB	1RA	M25	15.0	¾"	20.2	1"	11.1	19.3	14.0	22.0	0.4	1.2	1.25	1.6	37.5	41.3	88.8	PVC09	0.44
25	T3CDSPB	1RA	M25	15.0	¾"	20.2	1"	11.1	19.3	18.2	26.2	0.4	1.2	1.25	1.6	37.5	41.3	88.7	PVC09	0.44
32	T3CDSPB	1RA	M32	15.0	1"	25.0	1 ¼"	17.0	25.5	23.7	33.9	0.4	1.2	1.6	2.0	46.0	50.6	90.7	PVC11	0.64
40	T3CDSPB	1RA	M40	15.0	1 ¼"	25.6	1 ½"	22.0	31.2	27.9	40.4	0.4	1.6	1.6	2.0	55.0	60.5	93.2	PVC15	0.91
50S	T3CDSPB	1RA	M50	15.0	1 ½"	26.1	2"	29.5	37.2	35.2	46.7	0.4	1.6	2.0	2.5	60.0	66.0	100.7	PVC18	1.13
50	T3CDSPB	1RA	M50	15.0	2"	26.9	2 ½"	35.6	42.6	40.4	53.0	0.6	1.6	2.0	2.5	70.1	77.1	105.8	PVC21	1.61
63S	T3CDSPB	1RA	M63	15.0	2"	26.9	2 ½"	40.1	48.5	45.6	59.4	0.6	1.6	2.0	2.5	75.0	82.5	102.5	PVC23	1.74
63	T3CDSPB	1RA	M63	15.0	2 ½"	39.9	3"	47.2	54.2	54.6	65.8	0.6	1.6	2.0	2.5	80.0	88.0	105.4	PVC25	1.79
75S	T3CDSPB	1RA	M75	15.0	2 ½"	39.9	3"	52.8	60.2	59.0	72.0	0.6	1.6	2.0	2.5	90.0	99.0	110.6	PVC28	2.58
75	T3CDSPB	1RA	M75	15.0	3"	41.5	3 ½"	59.1	65.2	66.7	78.4	0.6	1.6	2.5	3.0	100.0	110.0	120.3	PVC30	3.34
90	T3CDSPB	1RA	M90	24.0	3 ½"	42.8	4"	66.6	77.1	76.2	90.3	0.8	1.6	3.15	4.0	115.0	126.5	138.9	PVC32	4.89
100	T3CDSPB	1RA	M100	24.0	3 ½"	42.8	4"	76.0	88.1	86.1	101.4	0.8	1.6	3.15	4.0	127.0	139.7	128.2	LSF33	4.99
115	T3CDSPB	1RA	M115	24.0	4"	44.0	5"	86.0	94.1	101.5	110.2	0.8	1.6	3.15	4.0	138.0	151.8	161.3	LSF34	7.75
130	T3CDSPB	1RA	M130	24.0	5"	46.8	-	97.0	110.1	110.2	123.2	0.8	1.6	3.15	4.0	157.0	172.7	173.3	LSF35	9.81

*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: 32T3CDSPB1RA534 = Nickel Plated Brass 1 ¼" NPT, 50ST3CDSPB1RA035 = Brass 1 ½" NPT, 25T3CDSPB1RA432 = Stainless Steel ¾" NPT, 20T3CDSPB1RA5 = 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.