

TRITON CDS (T3CDSHT) INTERNATIONALLY APPROVED, EXPLOSIVE ATMOSPHERE CABLE GLAND

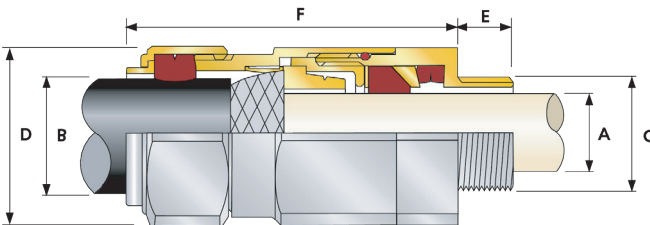


FOR ALL TYPES OF ARMoured CABLES

- -20°C to 200°C high temperature ThermEx seals
- Fully sequential, three step installation procedure
- Reduces installation times, cost & risk
- Direct & remote installation
- Unique compensating displacement seal system (CDS)
- Metal-to-metal installation every time regardless of cable diameter
- Designed to reduce the effects of coldflow
- Integral protected deluge seal
- Controlled outer 'load retention' seal
- Internationally marked, UKEX, IECEx & ATEX
- Superior EMC performance



GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1326X, CML18ATEX4318X	IECEx CERTIFICATE	IECEx CML 18.0183X
UKEX CERTIFICATE	CML 21UKEX1258X, CML 21UKEX4259X		
CODE OF PROTECTION	Ex II 2G ID, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, Ex II 3G Ex nR IIC Gc, Ex 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
NEPSI CERTIFICATE	GYJ18.1253X		



TECHNICAL CLASSIFICATION	
DESIGN SPECIFICATION	BS 612: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 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 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)
SEAL MATERIAL	SOLO LSF Halogen Free Thermoset Elastomer
SEALING TECHNIQUE	Inner Bedding Sealing Ring: Compensating Displacement Seal (CDS), Outer Sheath Sealing Ring: Load Retention Seal (LRS)
SEALING AREA(S)	Cable Inner Bedding and Outer Cable Sheath
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
ARMOUR CLAMPING	Reversible Armour Cone and AnyWay Universal Clamping Ring
CONTINUOUS OPERATING TEMPERATURE	-20°C to +200°C

* 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

PATENT GRANTED: GB 1077517

† 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.

EUTEX ORDERING REFERENCE (*BRASS 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 (kgs)		
	STANDARD									OPTION		GROOVED CONE (X)							STEPPED CONE (W)	
	METRIC	THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	NPT	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX					
20S16 T3CDSHT	M20	15.0	½"	19.9	¾"	3.1	8.6	6.1	13.1	0.3	1.0	0.8	1.25	24.0	26.4	78.7	PVC36	0.20		
20S T3CDSHT	M20	15.0	½"	19.9	¾"	6.1	11.6	9.5	15.9	0.3	1.0	0.8	1.25	24.0	26.4	78.7	PVC36	0.20		
20 T3CDSHT	M20	15.0	½"	19.9	¾"	6.5	13.9	12.5	20.9	0.4	1.0	0.8	1.25	30.5	33.6	76.2	PVC06	0.28		
25S T3CDSHT	M25	15.0	¾"	20.2	1"	11.1	19.9	14.0	22.0	0.4	1.2	1.25	1.6	37.5	41.3	88.8	PVC09	0.44		
25 T3CDSHT	M25	15.0	¾"	20.2	1"	11.1	19.9	18.2	26.2	0.4	1.2	1.25	1.6	37.5	41.3	88.7	PVC09	0.44		
32 T3CDSHT	M32	15.0	1"	25.0	1 ¼"	17.0	26.2	23.7	33.9	0.4	1.2	1.6	2.0	46.0	50.6	90.7	PVC11	0.63		
40 T3CDSHT	M40	15.0	1 ¼"	25.6	1 ½"	22.0	32.1	27.9	40.4	0.4	1.6	1.6	2.0	55.0	60.5	93.2	PVC15	0.91		
50S T3CDSHT	M50	15.0	1 ½"	26.1	2"	29.5	38.1	35.2	46.7	0.4	1.6	2.0	2.5	60.0	66.0	100.7	PVC18	1.12		
50 T3CDSHT	M50	15.0	2"	26.9	2 ½"	35.6	44.0	40.4	53.0	0.6	1.6	2.0	2.5	70.1	77.1	105.8	PVC21	1.60		
63S T3CDSHT	M63	15.0	2"	26.9	2 ½"	40.1	49.9	45.6	59.4	0.6	1.6	2.0	2.5	75.0	82.4	102.5	PVC23	1.73		
63 T3CDSHT	M63	15.0	2 ½"	39.9	3"	47.2	55.9	54.6	65.8	0.6	1.6	2.0	2.5	80.0	88.0	105.4	PVC25	1.78		
75S T3CDSHT	M75	15.0	2 ½"	39.9	3"	52.8	61.9	59.0	72.0	0.6	1.6	2.0	2.5	90.0	99.0	110.6	PVC28	2.57		
75 T3CDSHT	M75	15.0	3"	41.5	3 ½"	59.1	67.9	66.7	78.4	0.6	1.6	2.5	3.0	100.0	110.0	120.3	PVC30	3.33		
90 T3CDSHT	M90	24.0	3 ½"	42.8	4"	66.6	78.6	76.2	90.3	0.8	1.6	3.15	4.0	115.0	126.5	138.9	PVC32	4.87		
100 T3CDSHT	M100	24.0	3 ¾"	42.8	4"	76.0	90.9	86.1	101.4	0.8	1.6	3.15	4.0	127.0	139.7	128.2	LSF33	4.97		
115 T3CDSHT	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	161.3	LSF34	7.72		
130 T3CDSHT	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	173.3	LSF35	9.78		
*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: 32T3CDSHTIRA534 = Nickel Plated Brass 1½" NPT, 50S13CDSHTIRA035 = Brass 1½" NPT, 25T3CDSHTIRA432 = Stainless Steel ¾" NPT, 20T3CDSHTIRA5 = Nickel Plated Brass M20																				
Dimensions are displayed in millimetres unless otherwise stated																				

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Examples: 32T3CDSHTIRA534 = Nickel Plated Brass 1 ½" NPT, 50ST3CDSHTIRA035 = Brass 1 ½" NPT, 25T3CDSHTIRA432 = Stainless Steel ¾" NPT, 20T3CDSHTIRA5 = 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.