

T3CDS TRITON CDS

TRITON CDS (T3CDS) GLOBALLY APPROVED, HAZARDOUS (CLASSIFIED) LOCATION CABLE GLAND

FOR ALL TYPES OF ARMORED CABLES

- Fully sequential, three step installation procedure
- Reduces installation times, cost and risk
- Direct and 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. See CMP Technical Doc TS002
- Integral protected deluge seal
- Controlled outer load retention seal
- Unique OSTG prevents over tightening
- 60°C to +130°C (-76°F to +266°F)
- Globally marked, UL, cCSAus, IECEx, ATEX and UKEX
- As standard in nickel plated brass with NPT thread form

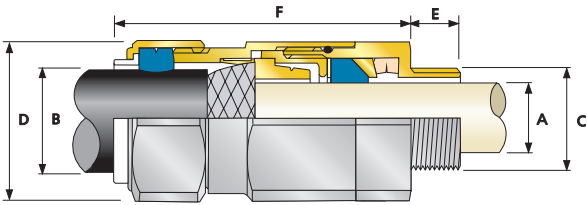


IP66	IP67	IP68	NEMA 4X
DELUGE PROTECTED	EMC	+130°C ↑ -60°C	
Ex d	AEx e Ex e	AEx nR Ex nR	

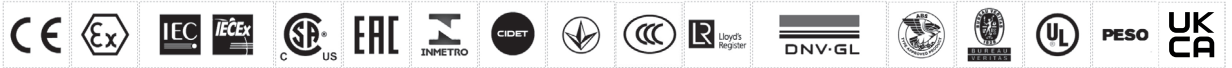
TECHNICAL CLASSIFICATION	
DESIGN SPECIFICATION	BS 6121:Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Type D
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass and Stainless Steel only
ELECTRICAL CLASSIFICATION*	Category B (Category A when used with braid, tape or pliable wire armor cables)
INGRESS PROTECTION RATING**	IP66, IP67 and IP68***
NEMA RATING**	Type 4X
DELUGE PROTECTION COMPLIANCE	DTS01 :91
CABLE GLAND MATERIAL	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer
CABLE TYPE(S)	Steel / Served Wire Armor (SWA), Aluminum Wire Armor (AWA), Pliable Wire Armor (PWA), Steel Tape Armor (STA), Aluminum Strip Armor (ASA), Screened Flexible (EMC) Wire Braid (e.g. CV/SY), Wire Braid Armor (e.g. SWB)
ARMOR CLAMPING	Reversible Armor Cone and AnyWay Universal Clamping Ring
SEALING TECHNIQUE	CMP Inner Compensating Displacement Seal (CDS) and Outer Load Retention Seal
SEALING AREA(S)	Cable Inner Bedding and Outer Cable Sheath

GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1326X, CML18ATEX4318X	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 IIC 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 IIC 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, Div 1 and 2; Enclosure Type 4X; Oil Resistance II; Class I, Zone 1, AEx e II, AEx n II		
cSA CODE OF PROTECTION	Class I, Div 2, Groups A, B, C, and D; Class II, Div 2, Groups E, F, and G; Class III, Div 1 and 2; Enclosure Types 3, 4, and 4X; Ex II IIC, Ex e II, Ex n II		
COMPLIANCE STANDARDS	CSA-C22.2 No 0, 18, 25, 30, 94, 174, CSA C22.2 No 60079-0, 1, 7, 15; ANSI/UL 514B, 50, 2225; UL60079-0, 1, 7, 15		
UL CERTIFICATE (20S16 - 90)	E256367		
CODE OF PROTECTION	Class I, Zone 1, AEx e II		
COMPLIANCE STANDARDS	UL 50, 514B, 2225; EN 50014, 60529; CSA C22.2 No. 174		
ECAS CERTIFICATE	20-02-05626	UkrSEPRO CERTIFICATE	CLQ 19.0371X
EAC CERTIFICATE	TC RU C-GB.AA87.B.00487 (excl. ThermEx)		
CODE OF PROTECTION	1Ex d IIC Gb X, 1Ex e IIC Gb X, 2Ex nR IIC Gc X, Ex ta IIC Da X, IP66, IP67, IP68		
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		

* 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



*Aluminium alloys are not permitted in Group I mining applications



+ Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armor (STA, DSTA) and Aluminum Strip Armor (ASA) but is also suitable for Single Wire Armor (SWA), Aluminum Wire Armor (AWA) and Pliable Wire Armor (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 armor cables. Tapes can also be doubled over. For cables that have only a single layer of armor such as SWA the clamping range should be used as shown in the table below. Stepped (W) Cone is suitable for Single Wire Armor (SWA), or Aluminum Wire Armor (AWA) cables.

COMBINED ORDERING REFERENCE ("NICKEL PLATED BRASS NPT")			AVAILABLE ENTRY THREADS 'C'			MINIMUM THREAD LENGTH 'E'	CABLE BEDDING DIAMETER 'A'		OVERALL CABLE DIAMETER 'B'		ARMOR RANGE*				ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (oz)
SIZE	TYPE	ORDERING SUFFIX	NPT	NPT (OPTION)	METRIC (OPTION)		MIN	MAX	MIN	MAX	GROOVED CONE (X)		STEPPED CONE (W)						
20S16	T3CDS	1RA531	½"	¾"	M20	0.78	0.12	0.34	0.24	0.52	0.01	0.04	0.03	0.05	0.94	1.04	3.10	PVC36	7.06
20S	T3CDS	1RA531	½"	¾"	M20	0.78	0.24	0.46	0.37	0.63	0.01	0.04	0.03	0.05	0.94	1.04	3.10	PVC36	6.91
20	T3CDS	1RA531	½"	¾"	M20	0.78	0.26	0.55	0.49	0.82	0.02	0.04	0.03	0.05	1.20	1.32	3.00	PVC06	9.77
25S	T3CDS	1RA532	¾"	1"	M25	0.80	0.44	0.78	0.55	0.87	0.02	0.05	0.05	0.06	1.48	1.63	3.49	PVC09	15.34
25	T3CDS	1RA532	¾"	1"	M25	0.80	0.44	0.78	0.72	1.03	0.02	0.05	0.05	0.06	1.48	1.63	3.49	PVC09	15.34
32	T3CDS	1RA533	1"	1 ¼"	M32	0.98	0.67	1.03	0.93	1.33	0.02	0.05	0.06	0.08	1.81	1.99	3.57	PVC11	22.33
40	T3CDS	1RA534	1 ¼"	1 ½"	M40	1.01	0.87	1.26	1.10	1.59	0.02	0.06	0.06	0.08	2.17	2.38	3.67	PVC15	31.92
50S	T3CDS	1RA535	1 ½"	2"	M50	1.03	1.16	1.50	1.39	1.84	0.02	0.06	0.08	0.10	2.36	2.60	3.96	PVC18	39.65
50	T3CDS	1RA536	2"	2 ½"	M50	1.06	1.40	1.73	1.59	2.09	0.02	0.06	0.08	0.10	2.76	3.04	4.16	PVC21	56.58
63S	T3CDS	1RA536	2"	2 ½"	M63	1.06	1.58	1.98	1.80	2.34	0.02	0.06	0.08	0.10	2.95	3.25	4.03	PVC23	61.10
63	T3CDS	1RA537	2 ½"	3"	M63	1.57	1.86	2.20	2.15	2.59	0.02	0.06	0.08	0.10	3.15	3.46	4.15	PVC25	62.72
75S	T3CDS	1RA537	2 ½"	3"	M75	1.57	2.08	2.44	2.32	2.83	0.02	0.06	0.08	0.10	3.54	3.90	4.35	PVC28	90.70
75	T3CDS	1RA538	3"	3 ½"	M75	1.63	2.33	2.67	2.63	3.09	0.02	0.06	0.10	0.12	3.94	4.33	4.73	PVC30	117.93
90	T3CDS	1RA539	3 ½"	4"	M90	1.69	2.62	3.09	3.00	3.56	0.03	0.06	0.12	0.16	4.53	4.98	5.47	PVC32	171.73
100	T3CDS	1RA539	3 ½"	4"	M100	1.69	2.99	3.58	3.39	3.99	0.03	0.06	0.12	0.16	5.00	5.50	5.05	LSF33	175.28
115	T3CDS	1RA5310	4"	5"	M115	1.73	3.39	3.85	4.00	4.34	0.03	0.06	0.12	0.16	5.43	5.98	6.35	LSF34	272.35
130	T3CDS	1RA5311	5"	-	M130	1.84	3.82	4.52	4.34	4.85	0.03	0.06	0.12	0.16	6.10	6.71	6.82	LSF35	344.37

* Note : For material options please change the suffix in the ordering reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1" For NPT options please change the following digits after 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: 32T3CDS1RA534 = Nickel Plated Brass 1 ¼" NPT, 25T3CDS1RA432 = Stainless Steel ¾" NPT, 20T3CDS1RA5 = Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated