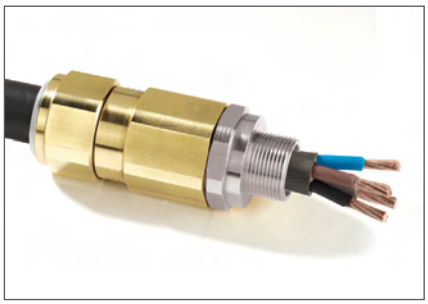
T3CDS CABLE CONNECTOR

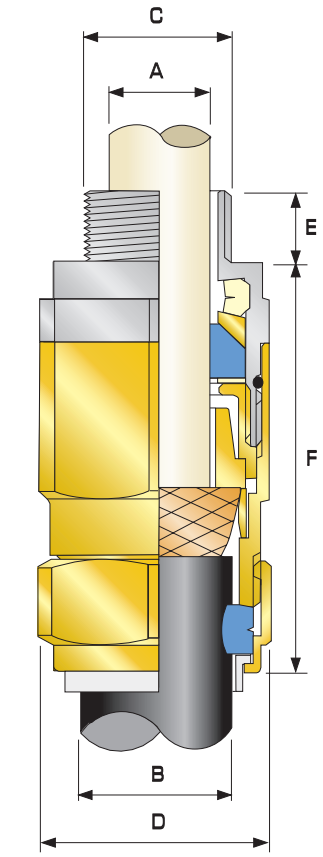
Triton CDS (T3CDS) Ordinary, Wet & Hazardous Location Cable Connector



CMP Triton CDS (T3CDS) Type Cable Connector for use all types of with Armored & Jacketed Marine cables incorporating Wire Braid or Served (Single) Wire Armor in Ordinary, Wet & Hazardous Locations, providing a seal on the cable inner bedding and an environmental seal on the cable outer jacket. This product utilises a unique Compensating Displacement Seal (CDS) system which provides full compatibility with Restricted Breathing equipment. The cable gland provides mechanical cable retention and electrical continuity via armor wire termination. A reversible armour cone and AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment, for maintenance and change out etc. This feature also facilitates remote make off procedures when the termination is to be conducted in confined spaces or in areas of restricted access. Separate tightening actions for the inner Compensating Displacement Seal (CDS) system and the armor termination affords maximum control over the pressure applied to the cable inner bedding. The T3CDS cable connector is available in NPT (standard) or Metric thread forms and the standard material is Brass grade CuZn39Pb3 (CW614N) to EN12168 with Electroless Nickel Plated Brass entry component. This product provides Nema 4X and IP68 ingress protection and is UL listed for use in Class I Zone I AEx e II applications and can be used in Class I Division 2 areas when installed in compliance with the NEC requirements.

TECHNICAL DATA	
Type	T3CDS
Design Specification	BS 6121:Part 1:1989, EN 50262:1999, UL 514B
ATEX Certification	SIRA06ATEX1283X
Code of Protection Category	ATEX Ⓔx II 2/3 GD Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66, Equipment Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC
Compliance Standards	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2003, EN 60079-15:2005, EN 61241-0:2004, EN 61241-1:2004
IECEx Approval Number	IECEx SIR 07.005X
Code of Protection Category	Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66
Compliance Standards	IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006, IEC 60079-15:2005, IEC 61241-0:2004, IEC 61241-1:2004
CSA Certification	1310517
Code of Protection Category	Class I, II, III, Class I Div 2 Groups ABCD, Class II Div 2 Groups EFG, Enclosure Type 3, 4 and 4X, Class III, Ex d IIC, Ex e II
Compliance Standards	CSA C22.2 No. 174-M1984, CSA C22.2 No. 25-1966, CAN/CSA-C22.2 No. 18-92, CAN/CSA-C22.2 No. 94-M91, CAN/CSA-E60079-0-2001, IEC 60079-0 1998, CAN/CSA-E79-7-95
UL Listing File Number	UBWE.E200163, CYMJ.E256366, FDJR.E256367
Code of Protection Category	Ordinary & Wet Locations, Class I, Zone 1, AEx e II, Class I, Zone 2, AEx e II
Compliance Standards	UL 514B, UL 60079-0, UL 60079-7
GOST R Certificate Number	POCC GB. ГБ05.B01912
Code of Protection Category	Ex d IIC U / Ex e II U
Compliance Standards	ГОСТ Р 52350.0-2005, ГОСТ Р 52350.1-2005, ГОСТ Р 52350.7-2005
GGTN Permit Number	PPC 00-18262
GOST K Certificate Number	KZ7500052.05.01.00063
RoK Permit for Use Number	08-067693
Lloyds Approval Number	01/00172
DNV Approval Number	E-6157
ABS Approval Number	01-LD 234401-PDA
Continuous Operating Temperature	-60°C to +130°C
Ingress Protection Rating	IP66, IP67, IP68
Deluge Protection Compliance	DTS01 : 91
Deluge Protection Document	ITS 01005029 - D
Standard Cable Connector Material	Brass with Electroless Nickel Plated Brass Entry Component
Seal Material	CMP SOLO LSF Thermoplastic Elastomer
Cable Type	Armored & Jacketed, Wire Braid Armor, Served (Single) Wire Armor (SWA).
Armor Clamping	Reversible Armor Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner CDS System & Unique CMP "LRS" ™ Outer Seal (Load Retention Seal)
Sealing Area(s)	Cable Inner Bedding & Cable Outer Jacket
Optional Accessories	Locknut, Shroud, Entry Thread Seal, Serrated Washer, Earth Tag, Adaptor/Reducer

Note: Versions with dedicated armour cones, Type T3CDSW – for SWA cables only, and Type T3CDSX for all other approved cable types also available.



Note: Stepped Cone is suitable for SWA cables, Grooved Cone is suitable for all other approved armoured cables

Cable Connector Selection Table

Cable Connector Size	Available Entry Threads 'C'			Minimum Thread Length 'E'		Cable Bedding Diameter 'A'		Overall Cable Diameter 'B'		Armour Range †				Across Flats 'D'	Across Corners 'D'	Nominal Protrusion Length 'F'	Ordering Reference (NPT) #	Cable Gland Weight (Ozs)
	Standard	Option								Grooved Cone		Stepped Cone						
	NPT	NPT	Metric	NPT	Metric	Min	Max	Min	Max	Min	Max	Min	Max	Max	Max			
20S/16	1/2"	3/4"	M20	0.630	0.591	0.122	0.343	0.240	0.453	0.000	0.039	0.035	0.039	0.945	1.047	2.756	20S16T3CDS1RA731	6.25
20S	1/2"	3/4"	M20	0.630	0.591	0.240	0.461	0.374	0.626	0.000	0.039	0.035	0.049	0.945	1.047	2.756	20ST3CDS1RA731	6.25
20	1/2"	3/4"	M20	0.630	0.591	0.256	0.551	0.492	0.823	0.000	0.039	0.035	0.049	1.201	1.311	2.835	20T3CDS1RA731	9.25
25S	3/4"	1"	M25	0.669	0.591	0.437	0.787	0.551	0.866	0.000	0.039	0.049	0.063	1.476	1.594	3.228	25ST3CDS1RA732	13.35
25	3/4"	1"	M25	0.669	0.591	0.437	0.787	0.717	1.031	0.000	0.039	0.049	0.063	1.476	1.594	3.228	25T3CDS1RA732	13.35
32	1"	1-1/4"	M32	0.787	0.591	0.669	1.035	0.933	1.335	0.000	0.039	0.063	0.079	1.811	2.008	3.346	32T3CDS1RA733	19.71
40	1-1/4"	1-1/2"	M40	0.787	0.591	0.866	1.268	1.098	1.591	0.000	0.039	0.063	0.079	2.165	2.402	3.386	40T3CDS1RA734	29.85
50S	1-1/2"	2"	M50	0.787	0.591	1.161	1.504	1.386	1.839	0.000	0.039	0.079	0.098	2.362	2.618	3.858	50ST3CDS1RA735	37.14
50	2"	2-1/2"	M50	0.906	0.591	1.402	1.736	1.591	2.091	0.000	0.039	0.079	0.098	2.756	3.094	3.937	50T3CDS1RA736	53.54
63S	2"	2-1/2"	M63	0.906	0.591	1.579	1.969	1.795	2.339	0.000	0.039	0.079	0.098	2.953	3.276	4.252	63ST3CDS1RA736	61.60
63	2-1/2"	3"	M63	0.984	0.591	1.858	2.205	2.150	2.594	0.000	0.039	0.079	0.098	3.150	3.504	4.355	63T3CDS1RA737	59.86
75S	2-1/2"	3"	M75	0.984	0.591	2.079	2.441	2.323	2.839	0.000	0.039	0.079	0.098	3.504	4.000	4.434	75ST3CDS1RA737	82.54
75	3"	3-1/2"	M75	1.417	0.591	2.327	2.677	2.626	3.091	0.000	0.039	0.079	0.098	3.898	4.374	4.520	75T3CDS1RA738	112.64
90	3-1/2"	4"	M90	1.417	0.591	2.622	3.126	3.000	3.559	0.000	0.063	0.124	0.124	4.488	5.063	5.512	90T3CDS1RA739	179.50
All dimensions in inches																		

Note: †Alternative armor clamping range available for non-standard armour sizes. Marine approvals including Lloyds, DNV & ABS are also available from CMP Products. # Other thread forms are available.