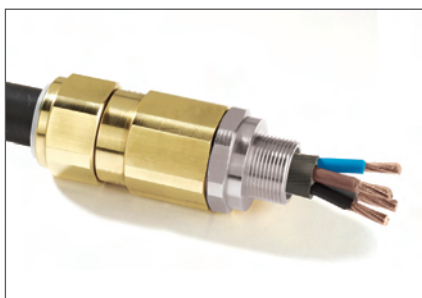


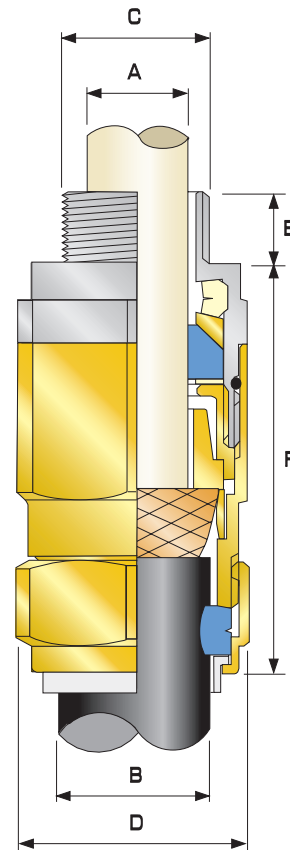
## Triton CDS (T3CDS) Ordinary, Wet & Hazardous Location Cable Connector



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 (Ex) 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. ГЕ05.В01912                                                                                                                                         |
| Code of Protection Category       | Ex d IIC U / Ex e II U                                                                                                                                       |
| Compliance Standards              | ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 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<br>Connector<br>Size | Available Entry Threads 'C' |        |     | Minimum<br>Thread<br>Length 'E' |       | Cable<br>Bedding<br>Diameter 'A' |       | Overall<br>Cable<br>Diameter 'B' |       | Armour Range † |       |              |       | Across<br>Flats<br>'D' | Across<br>Corners<br>'D' | Nominal<br>Protrusion<br>Length 'F' | Ordering<br>Reference<br>(NPT)<br># | Cable<br>Gland<br>Weight<br>(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   |                             |        |     |                                 |       |                                  |       |                                  |       |                |       |              |       |                        |                          |                                     |                                     |                                   |

**All dimensions in inches**

**Note:** †Alternative armor clamping range available for non-standard armour sizes. Marine connectors including Lloyd's LDM-8 ADS are also available from CMP Products. # Other thread forms are available.



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