

T3CDS Cable Gland

SWA, STA and Wire Braid Cable

Applications

- For use in Zone 1, Zone 2, Zone 21 and Zone 22 – hazardous area locations.

Features

- TRITON CDS (Compensating Displacement seal) T3CDS Flameproof Ex d and Increased Safety Ex e brass cable gland for all types of armored & braided cable including lead sheathed versions, provides a Flameproof seal on the cable inner sheath and an environmental seal on the cable outer sheath.

Inner flameproof seal:

- Unique new CDS system, compatible with all types of cable (eliminates cable damage and cold flow)
- At the critical cable sealing point the CDS system protects the cable inner sheath from any excess force, which is transferred to and absorbed by the internal compensator incorporated in the CDS system
- Allows the Cable Gland to be tightened face to face every time regardless of cable diameter.
- Equipped with a unique Reversible

Armor Cone and Bi-Directional Armor Clamping Ring which can accommodate SWA, braided and STA cables.

- The Cable Gland provides mechanical cable retention, and electrical continuity via armor termination.

- Continuous operating temperature range of -60°C to +130°C.

Materials:

- *Standard Cable Gland:* Brass with Nickel-Plated threaded entry
- *Seal:* Solo LSF
- *Cable type:* S.W.A., S.T.A. & Wire Braid. Sealing technique - Unique Compensating Displacement Seal (CDS) System. Sealing area(s) - Inner & outer sheath.

Optional Accessories:

- Shroud, locknut, earth tag, entry thread seal, serrated washers (I-38). Adaptors and reducers (I-35).
- Integral Entry Thread option is available. For this option, pre-fix type with 'R' - example: RT3CDS or RT3CD-SPB.

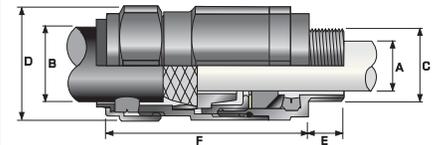
Compliances/Approvals:

- Code of protection category: ATEX  II 2/3 GD Ex d* IIC & Ex e II, EX nR II, Ex tD A21 IP66, Equipment Zone I, Zone 2, Zone 21 and



- Zone 22 – Gas Groups IIA, IIB, IIC
- Compliance Standards: Class I, Div. 2, Groups ABCD, Class II, Div. 2, Groups EFG, Enclosure Type 3,4,4X, Class III, Ex d IIC, Ex e II, NEMA 3,4,4X
- Ingress Protection: IP66, IP67 & IP68

* The T3CDS Cable Gland is suitable for use with all forms of equipment protection permitted in Zone 1, Zone 2, Zone 21 and Zone 22 provided always that the prevailing code of practice for selection and installation is observed, e.g. IEC 60079-14. See page 28.



Ordering Information

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'	NPT Catalog Number	Metric Catalog Number	Cable Gland Weight (Ozs)	PVC Shrouds ♦
	NPT	NPT	Metric	NPT	Metric	Min	Max	Min	Max	Grooved Cone	Stepped Cone	Min	Max							
20S/16	1/2"	3/4"	M20	0.630	0.591	0.122	0.343	0.240	0.453	0.0	0.039	0.035	0.039	0.945	1.047	2.756	2016T3CDS1RA731	16T3CDS1RA7	6.25	PVC04
20S	1/2"	3/4"	M20	0.630	0.591	0.240	0.461	0.374	0.626	0.0	0.039	0.035	0.049	0.945	1.047	2.756	20ST3CDS1RA731	20ST3CDS1RA7	6.25	PVC04
20	1/2"	3/4"	M20	0.630	0.591	0.256	0.551	0.492	0.823	0.0	0.039	0.035	0.049	1.201	1.311	2.835	20T3CDS1RA731	20T3CDS1RA7	9.25	PVC06
25S	3/4"	1"	M25	0.669	0.591	0.437	0.787	0.551	0.866	0.0	0.039	0.049	0.063	1.476	1.594	3.228	25ST3CDS1RA732	25ST3CDS1RA7	13.35	PVC09
25	3/4"	1"	M25	0.669	0.591	0.437	0.787	0.717	1.031	0.0	0.039	0.049	0.063	1.476	1.594	3.228	25T3CDS1RA732	25T3CDS1RA7	13.35	PVC09
32	1"	1-1/4"	M32	0.787	0.591	0.669	1.035	0.933	1.335	0.0	0.039	0.063	0.079	1.811	2.008	3.346	32T3CDS1RA733	32T3CDS1RA7	19.71	PVC11
40	1-1/4"	1-1/2"	M40	0.787	0.591	0.866	1.268	1.098	1.591	0.0	0.039	0.063	0.079	2.165	2.402	3.386	40T3CDS1RA734	40T3CDS1RA7	29.85	PVC15
50S	1-1/2"	2"	M50	0.787	0.591	1.161	1.504	1.386	1.839	0.0	0.039	0.079	0.098	2.362	2.618	3.858	50ST3CDS1RA735	50ST3CDS1RA7	37.14	PVC18
50	2"	2-1/2"	M50	0.906	0.591	1.402	1.736	1.591	2.091	0.0	0.039	0.079	0.098	2.756	3.094	3.937	50T3CDS1RA736	50T3CDS1RA7	53.54	PVC21
63S	2"	2-1/2"	M63	0.906	0.591	1.579	1.969	1.795	2.339	0.0	0.039	0.079	0.098	2.953	3.276	4.252	63ST3CDS1RA736	63ST3CDS1RA7	61.60	PVC23
63	2-1/2"	3"	M63	0.984	0.591	1.858	2.205	2.150	2.594	0.0	0.039	0.079	0.098	3.150	3.504	4.355	63T3CDS1RA737	63T3CDS1RA7	59.86	PVC25
75S	2-1/2"	3"	M75	0.984	0.591	2.079	2.441	2.323	2.839	0.0	0.039	0.079	0.098	3.504	4.000	4.434	75ST3CDS1RA737	75ST3CDS1RA7	82.54	PVC28
75	3"	3-1/2"	M75	1.417	0.591	2.327	2.677	2.626	3.091	0.0	0.039	0.079	0.098	3.898	4.374	4.520	75T3CDS1RA738	75T3CDS1RA7	112.64	PVC30
90	3-1/2"	4"	M90	1.417	0.591	2.622	3.126	3.000	3.559	0.0	0.063	0.124	0.124	4.488	5.063	5.512	90T3CDS1RA739	90T3CDS1RA7	179.50	PVC32

All dimensions in inches.

*For IP67 & IP68 requirements the Cable Diameter 'B' (minimum value) shown should be increased by 0.04mm to ensure complete compliance.

Substitutions:

Full nickel plated brass - replace RA7 with RA5.

316L stainless steel - replace RA7 with RA4.

♦ Optional PVC shrouds available but not required for deluge protection.