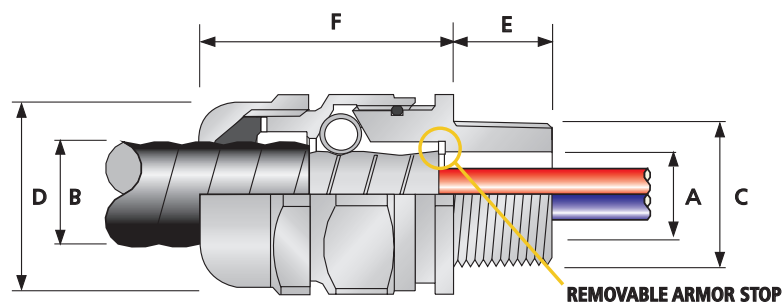




TMC

Ex e

TMC Globally Approved, Hazardous (Classified) Location Cable Gland

For MC, MC-HL, Interlocked & Teck Armoured Cables

- Simple, sequential installation process
- No disassembly required
- Integral protected deluge seal
- 360° grounding spring
- -76°F to 230°F
- Class I Zone 1, 21 and Zone 2, 22
- Class I Zone 1 Ex e & Class I Division 2 ABCD
- Globally marked, UL, cCSAus, IECEx & ATEX



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA07ATEX1122X
Code of Protection	⊕ II 2GD, Ex e II, Ex tD A21 IP66
Compliance Standards	EN 60079-0,7, EN 61241-0,1
IECEx Certificate	IECEx SIR 07.0083X
Code of Protection	Ex e II, Ex tD A21 IP66
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1129339
Code of Protection	Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 3, 4, 4X. Ex e II; Class I, Zone 1, AEx e II;
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0, IEC 60079-0,1
UL Certificate	E256366
Code of Protection	Class I, Zone 1, AEx e II
Compliance Standards	UL 514B, UL 60079-0,7, U 2225
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	NEMA 4X & IP66 **
Cable Gland Material	Copper Free Aluminium (<0.4%), Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Corrugated & Interlocked Metal Clad Armour (MC) or TECK90, Continuously Welded Metal Clad Armour (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armour Clamping	360° Stainless Steel Grounding Spring
Sealing Technique	CMP Load Retention Seal
Sealing Area(s)	Cable Outer Jacket

Note : * Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

Note : ** Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

Cable Gland Selection Table

Refer to illustration at the top of the page

Order Reference (NPT)			Entry Thread "C"		Minimum Thread Length "E"	Minimum Thread Length "E"	Cable Armour Diameter "A"				Cable Jacket Diameter "B"		Nominal Assembly Length "F"	Max		Shroud	Weight (Ozs)
Aluminium	Nickel Plated Brass	Stainless Steel	NPT	Metric	NPT	Metric	End Stop in		End Stop Out		Min	Max		Across Flats "D"	Across Corners "D"		
TMC050SA	TMC050SNB	TMC050SS	1/2"	M20	0.780	0.59	No Stop	No Stop	0.342	0.503	0.354	0.547	1.831	1.201	1.321	PVC06	7.901
TMC050A	TMC050NB	TMC050SS	1/2"	M20	0.780	0.59	No Stop	No Stop	0.510	0.669	0.510	0.787	2.055	1.417	1.559	PVC09	9.912
TMC075A	TMC075NB	TMC075SS	3/4"	M25	0.780	0.59	0.591	0.756	0.756	0.917	0.669	1.035	2.091	1.614	1.776	PVC10	11.605
TMC100A	TMC100NB	TMC100SS	1"	M32	0.980	0.59	0.775	0.969	0.969	1.150	0.910	1.268	2.240	1.969	2.165	PVC13	17.531
TMC125A	TMC125NB	TMC125SS	1 1/4"	M40	1.010	0.59	1.083	1.228	1.228	1.386	1.161	1.504	2.217	2.165	2.382	PVC15	20.917
TMC150A	TMC150NB	TMC150SS	1 1/2"	M50	1.030	0.59	1.320	1.461	1.461	1.618	1.402	1.736	2.307	2.362	2.598	PVC18	24.445
TMC200SA	TMC200SNB	TMC200SS	2"	M50	1.060	0.59	1.508	1.677	1.677	1.854	1.579	2.008	2.518	2.756	3.031	PVC21	42.329
TMC200A	TMC200NB	TMC200SS	2"	M63	1.060	0.59	1.772	1.933	1.933	2.087	1.858	2.205	2.489	2.953	3.248	PVC23	38.801
TMC250SA	TMC250SNB	TMC250SS	2 1/2"	M75	1.570	0.59	2.052	2.161	2.161	2.320	2.079	2.441	2.728	3.150	3.465	PVC25	59.966
TMC250A	TMC250NB	TMC250SS	2 1/2"	M75	1.570	0.59	2.247	2.406	2.406	2.545	2.327	2.677	2.835	3.346	3.681	PVC27	56.483
TMC300A	TMC300NB	TMC300SS	3"	M90	1.630	0.59	2.543	2.776	2.776	2.965	2.622	3.126	3.866	4.331	4.764	LSF32	123.459
TMC350A	TMC350NB	TMC350SS	3-1/2"	M100	1.690	0.95	2.913	3.291	3.291	3.485	2.992	3.827	4.630	5.252	5.777	LSF34	236.336
TMC400A	TMC400NB	TMC400SS	4"	M115	1.730	0.95	2.913	3.291	3.291	3.485	2.992	3.827	4.630	5.252	5.777	LSF34	264.550

Note: *Order Code Example: TMC-250-SS-272 - "TMC" (Gland Type) - "250" (2-1/2" NPT Thread) - "SS" (Material Stainless Steel) - "272" (Max Cable Diameter 2.72")

Note: *CMP SOLO LSF Halogen Free Shrouds also available on request. **Integral equipment interface 'O' ring seal supplied as standard only with Aluminium versions.

Please note the following installation requirements:

1) Where explosion proof enclosures are being used the TMC must be installed with an approved pouring or compound sealing fitting. In Division 2 locations the TMC can be fitted directly to an enclosure which has no source of ignition in accordance with NEC/CEC requirements. 2) Glands with NPT entry threads are suitable for both Divisions and Zones. 3) Glands with Metric entry threads are suitable for Zones only unless fitted with an approved NPT male adaptor in accordance with CEC requirements.

Dimensions are displayed in inches unless otherwise stated