



TMCX Ex e Ex d Ex ta

TMCX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

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

- Simple, sequential installation process
- Compound barrier type flameproof seal
- Integral protected deluge seal
- 360° grounding spring
- Disconnectable, union design feature
- -76°F to 185°F / -60°C to 85°C
- Class I Zone 1, 21 and Zone 2, 22
- Class I Zone 1 Ex d & Class I Division 1 ABCD
- Globally marked, UL, cCSAus, IECEx & ATEX



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification	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 d IIC, Ex e IIC, Ex tD A21 IP66
Compliance Standards	EN 60079-0,7, EN 61241-0,1
IECEx Certificate	IECEx SIR 07.0083X
Code of Protection	Ex d IIC / Ex e II / Ex tD A21 IP66
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1129339
Code of Protection	Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 3, 4, 4X. Ex d IIC; Ex e II: Class I, Zone 1, AEx d IIC; AEx e II
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0, CAN/CSA-E60079-1
UL Certificate	E256366
Code of Protection	Class I, Div 2, Groups A,B,C,D, Class II, Div 2, Groups F,G Class I, Zone 1, AEx d IIC, AEx e II
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	NEMA 4X & IP66**
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
Jacket Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Inner Compound Barrier and Cable Outer Jacket
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Gland Material	Copper Free (<0.4%) Aluminium, Stainless Steel, Electroless Nickel Plated Brass

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"	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	Armour Stop in		Armour Stop Out		Min	Max		Across Flats "D"	Across Corners "D"		
							Min	Max	Min	Max							
TMCX050SA	TMCX050SNB	TMCX050SS	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
TMCX050A	TMCX050NB	TMCX050SS	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
TMCX075A	TMCX075NB	TMCX075SS	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
TMCX100A	TMCX100NB	TMCX100SS	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
TMCX125A	TMCX125NB	TMCX125SS	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
TMCX150A	TMCX150NB	TMCX150SS	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
TMCX200SA	TMCX200SNB	TMCX200SS	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
TMCX200A	TMCX200NB	TMCX200SS	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
TMCX250SA	TMCX250SNB	TMCX250SS	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
TMCX250A	TMCX250NB	TMCX250SS	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
TMCX300A	TMCX300NB	TMCX300SS	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
TMCX350A	TMCX350NB	TMCX350SS	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
TMCX400A	TMCX400NB	TMCX400SS	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: TMCX-250-SS-272 - "TMCX" (Gland Type) - "250" (2-1/2" NPT Thread) - "SS" (Material Stainless Steel) - "272" (Max Cable Diameter 2.72")

Dimensions are displayed in inches unless otherwise stated