





Americas Hazardous Location Cable Glands

The CMP range of Cable Glands for Hazardous (Classified) Locations and Ordinary Locations are versatile enough to meet virtually all applications where flexible and non flexible cables are used.

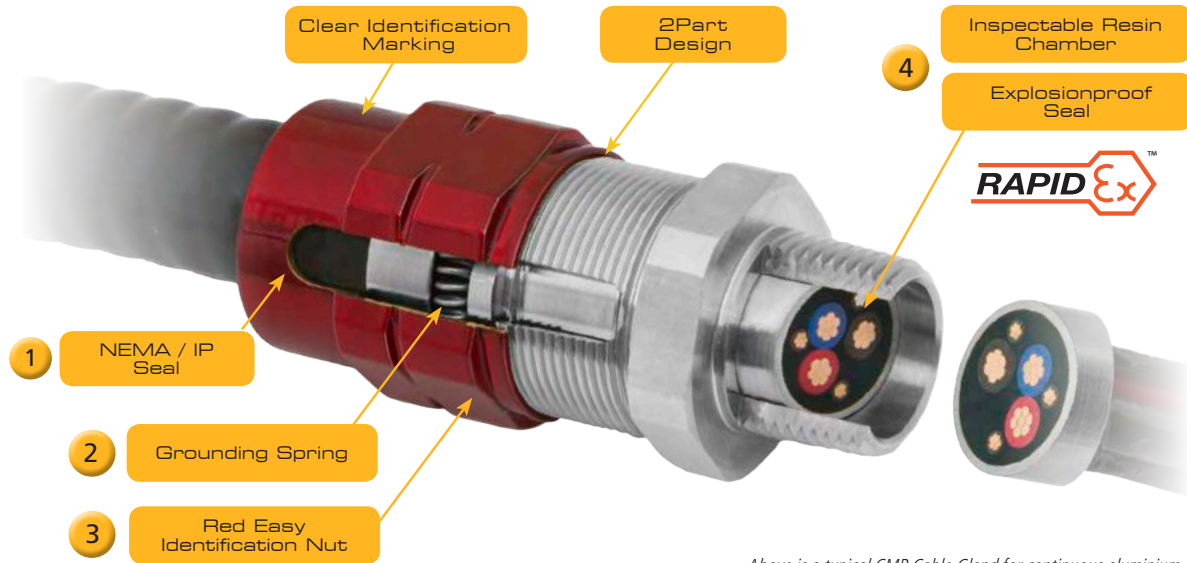
Designed for both offshore and onshore requirements, the options cover all types of Non Armoured flexible cables, cords and tray cables, including TC-ER-HL and Type P and all armoured cables types, including; MC, MC-HL, Interlocked, Teck, Braid armoured shipboard and served wire armour

CMP's Hazardous (Classified) Locations cable glands comply with the prevailing UL, ISA, ANSI, CSA & IEC standards and meet the requirements of the NEC, CEC & IEC installation code requirements to provide complete global solutions.

All Cable Glands shown in Nickel Plated Brass, alternative materials are available.



TMC2X Cable Glands - The Key Features



Above is a typical CMP Cable Gland for continuous aluminium (MC-HL), Teck 90, interlocked aluminium and interlocked steel cables

1 NEMA / IP Environmental Seal

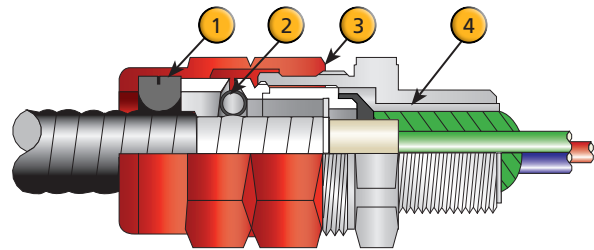
The TMC2X incorporates a 'weak back' seal which is designed to prevent the ingress of dust and rain, splashing water, hose-directed water and damage from exterior ice formation. The seal enables the gland to meet the requirements of NEMA 4X and IP66. The seal provides a wide cable acceptance range allowing cables from 0.5" to 4.25" to be incorporated in only 12 trade sizes of connector. The seal is manufactured from low smoke, flame resistant, halogen-free elastomer which meets the requirements of EN50267-21 and LUL Fire Safety Regulations.

2 Armor Termination

The TMC2X has been designed and tested to terminate all types of metal clad cables including continuous aluminium (MC-HL), Teck 90, interlocked aluminium and interlocked steel. An internal corrosion resistant stainless steel spring provides 360° grounding of the armor and allows for easy installation and disconnection of the cable where required. The spring provides excellent pull-out resistance which exceeds the requirements of CSA C22.2 & UL514B. The spring is non-magnetic and is suitable for use with single conductor power cables carrying in excess of 200A.

3 Easy Identification Nut

Outer seal nuts provided by CMP have large wrench holds for ease of installation and display clear laser marking showing the Cable Gland properties, certification and hazardous location details.



4 Inspectable RapidEx Resin Chamber

A barrier type cable gland which is disconnectable utilizing a tried and tested metal barrier tube which provides an Explosionproof joint that enables cables to be safely and easily removed from equipment. The Explosionproof joint path can be visually inspected and also measured according to the parameters of IECEx and cCSAus for flame paths.

Explosionproof Seal

The TMC2X incorporates the RapidEx liquid pour, fast curing, liquid resin seal that installs in seconds and cures in minutes. Its unique formula begins with a low viscosity liquid that flows into the cable interstices completely surrounding the cable conductors, driving out all the air in the process. The viscosity then increases and completely cures in minutes. Once cured the RapidEx resin adheres to both the cable conductors and the inside of the barrier tube creating a bond that will last for the life of the cable connector. The RapidEx seal will never crack or shrink with changes in temperature.



How to Order - TMC2X, TMC2 & TC

Example Ordering

TC- **100** **A** **079** *No further reference required*

Type 1" Aluminum 1.18"

TMC2X- **050** **NB** **099** **X** *No further reference required*

Type ½" Nickel Plated Finish 0.99" Suffix I.D.

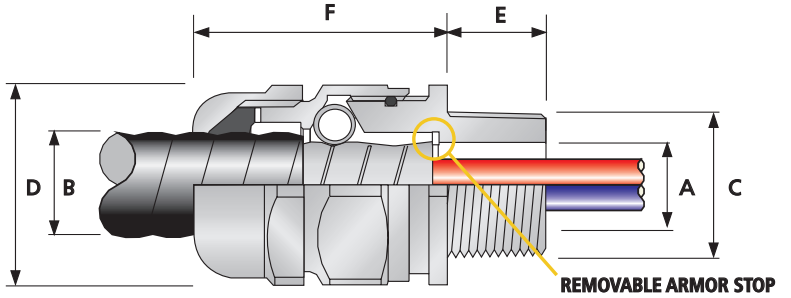
TMC2 **075** **SS** **075** *No further reference required*

Type ¾" Stainless Steel 0.75"

Cable Gland Type	Thread Order Reference*	Material	Max Cable Jacket Diameter (TMC2, TMC2X)	Max Cable Diameter (TC)	Supply Type
TMC2X	- 050 ½"	A Aluminum	075 0.75"	028 0.28"	X with RapidEx** (TMC2X only)
TMC2	075 ¾"	SS Stainless Steel	099 0.99"	055 0.55"	
TC	100 1"	NB Nickel Plated Brass	118 1.18"	079 0.79"	
	125 1 ¼"		137 1.37"	104 1.04"	
	150 1 ½"		162 1.62"	127 1.27"	
	200 2"		190 1.90"	150 1.50"	
	250 2 ½"		200 2.00"	174 1.74"	
	300 3"		233 2.33"	197 1.97"	
	350 3 ½"		272 2.72"	220 2.20"	
	400 4"		325 3.25"	244 2.44"	
			376 3.76"	268 2.68"	
			425 4.25"	315 3.15"	
				354 3.54"	

* Other thread types and sizes available upon request.
 ** Supplied in pack with RapidEx resin

CMP PRODUCTS HAZARDOUS LOCATION CABLE GLANDS



TMC Globally Approved, Hazardous (Classified) Location Cable Gland

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

- Simple, sequential installation process
- No disassembly required
- Integral protected deluge seal
- 360° grounding spring (non-magnetic)
- -76°F to 230°F
- Globally marked, UL, cCSAus, IECEx & ATEX
- Interface 'O' ring seal supplied with Aluminum
- SOLO LSF Halogen Free Shrouds also available on request

Please note the following installation requirements:
 1) Where Explosionproof 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.



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = 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 612410,1
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
CSAus 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. Class I, Zone 1, AEx e II;
cCSA 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;
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	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 Aluminum (<0.4%), Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Corrugated & Interlocked Metal Clad Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° Stainless Steel Grounding Spring (non-magnetic)
Sealing Technique	CMP Load Retention Seal
Sealing Area(s)	Cable Outer Jacket

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

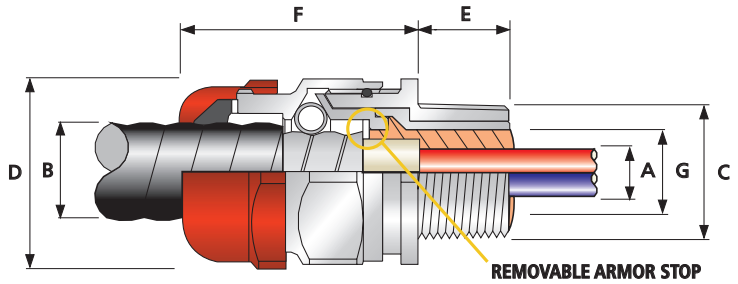
Cable Gland Selection Table

Refer to illustration at the top of the page

Order Reference (NPT)			Entry Thread "C"		Minimum Thread Length "E"	Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Nominal Assembly Length "F"	Max		Shroud	Weight (Ozs)
Aluminum	Nickel Plated Brass	Stainless Steel	NPT	Metric	NPT	Metric	End Stop In		End Stop Out		Min	Max		Across Flats "D"	Across Corners "D"		
							Min	Max	Min	Max							
TMC050SA	TMC050SNB	TMC050SSS	½"	M20	0.78	0.59	No Stop	No Stop	0.34	0.50	0.35	0.55	1.83	1.20	1.32	PVC06	7.90
TMC050A	TMC050NB	TMC050SS	½"	M20	0.78	0.59	No Stop	No Stop	0.51	0.67	0.44	0.79	2.06	1.42	1.56	PVC09	9.91
TMC075A	TMC075NB	TMC075SS	¾"	M25	0.80	0.59	0.59	0.76	0.76	0.92	0.67	1.04	2.09	1.61	1.78	PVC10	11.61
TMC100A	TMC100NB	TMC100SS	1"	M32	0.98	0.59	0.78	0.97	0.97	1.15	0.87	1.27	2.24	1.97	2.17	PVC13	17.53
TMC125A	TMC125NB	TMC125SS	1 ½"	M40	1.01	0.59	1.08	1.23	1.23	1.39	1.16	1.50	2.22	2.17	2.38	PVC15	20.92
TMC150A	TMC150NB	TMC150SS	1 ½"	M50	1.03	0.59	1.32	1.46	1.46	1.62	1.40	1.74	2.31	2.36	2.60	PVC18	24.45
TMC200SA	TMC200SNB	TMC200SSS	2"	M50	1.06	0.59	1.51	1.68	1.68	1.85	1.58	1.97	2.52	2.76	3.03	PVC21	42.33
TMC200A	TMC200NB	TMC200SS	2"	M63	1.06	0.59	1.77	1.93	1.93	2.09	1.86	2.21	2.49	2.95	3.25	PVC23	38.80
TMC250SA	TMC250SNB	TMC250SSS	2 ½"	M75	1.57	0.59	2.05	2.16	2.16	2.32	2.08	2.44	2.73	3.15	3.47	PVC25	59.97
TMC250A	TMC250NB	TMC250SS	2 ½"	M75	1.57	0.59	2.25	2.41	2.41	2.55	2.33	2.68	2.84	3.35	3.68	PVC27	56.48
TMC300A	TMC300NB	TMC300SS	3"	M90	1.63	0.59	2.54	2.78	2.78	2.97	2.62	3.13	3.87	4.33	4.76	LSF32	123.46
TMC350A	TMC350NB	TMC350SS	3 ½"	M100	1.69	0.95	2.91	3.29	3.29	3.49	2.99	3.83	4.63	5.25	5.78	LSF34	236.34
TMC400A	TMC400NB	TMC400SS	4"	M115	1.73	0.95	2.91	3.29	3.29	3.49	2.99	3.83	4.63	5.25	5.78	LSF34	264.55

Order Code Example: TMC250SS "TMC" (Gland Type) - "250" (2 ½" NPT Thread) - "SS" (Material Stainless Steel)

Dimensions are displayed in inches unless otherwise stated



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

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

- Simple, sequential installation process
- Compound barrier type flameproof seal
- Integral protected deluge seal
- 360° grounding spring (non-magnetic)
- Disconnectable, union design feature
- -76°F to 185°F / -60°C to 85°C
- Globally marked, UL, cCSAus, IECEx & ATEX



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification	Impact = Level 8, Cable Anchorage = 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 612410,1
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
CSAus 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. Class I, Zone 1, AEx d IIC; AEx e II
cCSA 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
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	TC RU C-GB.F605.B00138
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 Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° Stainless Steel Grounding Spring (non-magnetic)
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%) Aluminum, Stainless Steel, Electroless Nickel Plated Brass

Cable Gland Selection Table

Refer to illustration at the top of the page

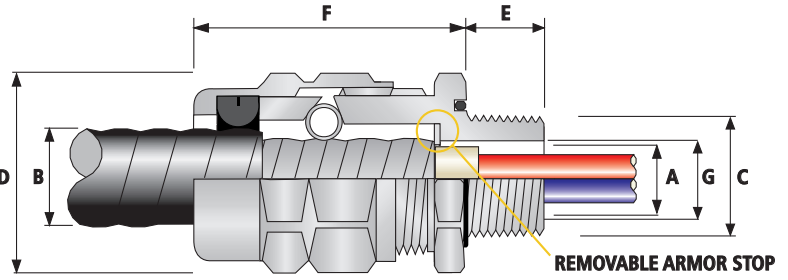
* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

Order Reference (NPT)			Entry Thread "C"	Entry Thread "C"	Minimum Thread Length "E"	Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Nominal Assembly Length "F"	Max		Shroud	Weight (Ozs)
Aluminum	Nickel Plated Brass	Stainless Steel	NPT	Metric	NPT	Metric	Armor Stop in		Armor Stop Out		Min	Max		Across Flats "D"	Across Corners "D"		
							Min	Max	Min	Max							
TMCX050SA	TMCX050SNB	TMCX050SSS	1/2"	M20	0.78	0.59	No Stop	No Stop	0.34	0.50	0.35	0.55	1.83	1.20	1.32	PVC06	7.90
TMCX050A	TMCX050NB	TMCX050SS	1/2"	M20	0.78	0.59	No Stop	No Stop	0.51	0.67	0.44	0.79	2.06	1.42	1.56	PVC09	9.91
TMCX075A	TMCX075NB	TMCX075SS	3/4"	M25	0.80	0.59	0.59	0.76	0.76	0.92	0.67	1.04	2.09	1.61	1.78	PVC10	11.61
TMCX100A	TMCX100NB	TMCX100SS	1"	M32	0.98	0.59	0.78	0.97	0.97	1.15	0.87	1.27	2.24	1.97	2.17	PVC13	17.53
TMCX125A	TMCX125NB	TMCX125SS	1 1/4"	M40	1.01	0.59	1.08	1.23	1.23	1.39	1.16	1.50	2.22	2.17	2.38	PVC15	20.92
TMCX150A	TMCX150NB	TMCX150SS	1 1/2"	M50	1.03	0.59	1.32	1.46	1.46	1.62	1.40	1.74	2.31	2.36	2.60	PVC18	24.45
TMCX200SA	TMCX200SNB	TMCX200SSS	2"	M50	1.06	0.59	1.51	1.68	1.68	1.85	1.58	1.97	2.52	2.76	3.03	PVC21	42.33
TMCX200A	TMCX200NB	TMCX200SS	2"	M63	1.06	0.59	1.77	1.93	1.93	2.09	1.86	2.21	2.49	2.95	3.25	PVC23	38.80
TMCX250SA	TMCX250SNB	TMCX250SSS	2 1/2"	M75	1.57	0.59	2.05	2.16	2.16	2.32	2.08	2.44	2.73	3.15	3.47	PVC25	59.97
TMCX250A	TMCX250NB	TMCX250SS	2 1/2"	M75	1.57	0.59	2.25	2.41	2.41	2.55	2.33	2.68	2.84	3.35	3.68	PVC27	56.48
TMCX300A	TMCX300NB	TMCX300SS	3"	M90	1.63	0.95	2.54	2.78	2.78	2.97	2.62	3.13	3.87	4.33	4.76	LSF32	123.46
TMCX350A	TMCX350NB	TMCX350SS	3 1/2"	M100	1.69	0.95	2.91	3.29	3.29	3.49	2.99	3.83	4.52	5.25	5.78	LSF34	236.34
TMCX400A	TMCX400NB	TMCX400SS	4"	M115	1.73	0.95	2.91	3.29	3.29	3.49	2.99	3.83	4.52	5.25	5.78	LSF34	264.55

Order Code Example: TMCX250SS *TMC* (Gland Type) - *250* (2 1/2" NPT Thread) - *SS* (Material Stainless Steel)

Dimensions are displayed in inches unless otherwise stated



TMC2 Aluminum Globally Approved, Hazardous (Classified) Location Cable Gland

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

- Simplified two part design
- Compact slim profile
- Independent sealing & armor clamping
- Simple, sequential installation process
- No disassembly required
- Equipment interface 'O' ring seal as standard
- Hub not required
- 360° grounding spring (non-magnetic)
- -76°F to 230°F
- Globally marked, cCSAus, IECEx & ATEX



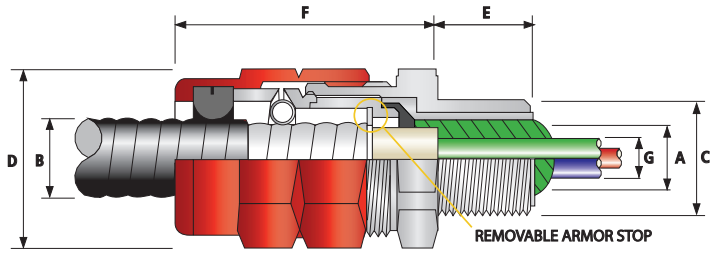
TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
ATEX Certificate	SIRA09ATEX1164X
Code of Protection	⊕ II 2GD, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,7, EN 612410,1
IECEx Certificate	IECEx SIR 09.0068X
Code of Protection	Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	2194053
CSAus Code of Protection	Class I, Div 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 4X. Class I, Zone 1, AEx e II; AEx ta IIC:
cCSA Code of Protection	Class I, Div 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 4X. Ex e II;
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0,7, CAN/CSA-E6124111, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11
EAC Certificate	TC RU C-GB.F605.B00138
CCOE / PESO (India) Certificate	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 15-LD1410479-PDA
Ingress Protection Rating**	NEMA 4X & IP66
Cable Type	Corrugated & Interlocked Metal Clad Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° Stainless Steel Grounding Spring (non-magnetic)
Jacket Sealing Technique	CMP Load Retention Seal
Sealing Area(s)	Cable Outer Jacket
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Gland Material	Copper Free (<0.4%) Aluminum, Stainless Steel, Electroless Nickel Plated Brass

Cable Gland Selection Table
Refer to illustration at the top of the page

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

Order Reference (NPT suffix required)			Entry Thread "C"		Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Thru Bore "G"	Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"	Shroud	Approx Weight Aluminum (Ozs)
Aluminum	Nickel Plated Brass	Stainless Steel	NPT Standard	NPT Option		Armor Stop In		Armor Stop Out		Min	Max						
						Min	Max	Min	Max								
TMC2050A075	TMC2050NB075	TMC2050SS075	1/2"	-	0.78	0.42	0.55	0.55	0.63	0.50	0.75	0.51	1.20	1.32	2.44	PVC06	2.29
TMC2075A075	TMC2075NB075	TMC2075SS075	-	3/4"	0.80	0.42	0.55	0.55	0.63	0.69	0.99	0.61	1.48	1.63	2.96	PVC09	3.00
TMC2050A099	TMC2050NB099	TMC2050SS099	1/2"	-	0.78	0.60	0.65	0.65	0.89	0.69	0.99	0.75	1.48	1.63	2.96	PVC09	3.00
TMC2075A099	TMC2075NB099	TMC2075SS099	-	3/4"	0.80	0.60	0.78	0.78	0.89	0.87	1.18	0.82	1.81	1.99	3.15	PVC11	5.11
TMC2075A118	TMC2075NB118	TMC2075SS118	3/4"	-	0.80	0.79	0.86	0.86	1.10	0.87	1.18	0.95	1.81	1.99	3.15	PVC11	5.11
TMC2100A118	TMC2100NB118	TMC2100SS118	-	1"	0.98	0.79	0.98	0.98	1.10	1.02	1.37	1.04	2.05	2.26	3.55	PVC15	6.70
TMC2100A137	TMC2100NB137	TMC2100SS137	1"	-	0.98	0.94	1.08	1.08	1.28	1.30	1.62	1.31	2.36	2.60	3.59	PVC18	8.82
TMC2125A137	TMC2125NB137	TMC2125SS137	-	1 1/4"	1.01	0.94	1.18	1.18	1.28	1.30	1.62	1.38	2.36	2.60	3.59	PVC18	8.82
TMC2125A162	TMC2125NB162	TMC2125SS162	1 1/4"	-	1.01	1.22	1.35	1.35	1.50	1.57	1.90	1.37	2.56	2.82	3.59	PVC37	9.45
TMC2150A162	TMC2150NB162	TMC2150SS162	-	1 1/2"	1.03	1.22	1.42	1.42	1.50	1.65	2.00	1.54	2.75	3.03	3.76	PVC21	11.06
TMC2125A190	TMC2125NB190	TMC2125SS190	1 1/4"	-	1.01	-	-	1.51	1.72	1.57	1.90	1.37	2.56	2.82	3.59	PVC37	9.45
TMC2150A190	TMC2150NB190	TMC2150SS190	-	1 1/2"	1.03	-	-	1.51	1.72	1.65	2.00	1.61	2.75	3.03	3.76	PVC21	11.06
TMC2150A200	TMC2150NB200	TMC2150SS200	1 1/2"	-	1.03	1.57	1.70	1.70	1.88	1.65	2.00	1.65	2.75	3.03	3.76	PVC21	11.06
TMC2200A200	TMC2200NB200	TMC2200SS200	-	2"	1.06	1.57	1.70	1.70	1.88	1.90	2.33	2.03	2.95	3.25	3.97	PVC23	12.77
TMC2150A233	TMC2150NB233	TMC2150SS233	-	1 1/2"	1.03	-	-	1.81	2.21	1.90	2.33	2.03	2.95	3.25	3.97	PVC23	12.77
TMC2200A233	TMC2200NB233	TMC2200SS233	2"	-	1.06	-	-	1.81	2.21	1.90	2.33	2.03	2.95	3.25	3.97	PVC23	12.77
TMC2250A233	TMC2250NB233	TMC2250SS233	-	2 1/2"	1.57	-	-	1.81	2.21	2.27	2.72	2.07	3.54	3.89	4.10	PVC28	24.69
TMC2200A272	TMC2200NB272	TMC2200SS272	-	2"	1.06	2.14	2.46	2.17	2.61	2.27	2.72	2.40	3.54	3.89	4.10	PVC28	24.69
TMC2250A272	TMC2250NB272	TMC2250SS272	2 1/2"	-	1.57	2.14	2.46	2.46	2.61	2.27	2.72	2.40	3.54	3.89	4.10	PVC28	24.69
TMC2300A272	TMC2300NB272	TMC2300SS272	-	3"	1.63	2.14	2.46	2.46	2.61	2.62	3.25	2.72	4.33	4.76	4.67	PVC32	42.68
TMC2300A325	TMC2300NB325	TMC2300SS325	3"	-	1.63	2.49	2.78	2.78	2.97	2.62	3.25	2.72	4.33	4.76	4.67	PVC32	42.68
TMC2350A325	TMC2350NB325	TMC2350SS325	-	3 1/2"	1.69	2.49	2.78	2.78	2.97	3.16	3.76	3.38	4.84	5.32	4.95	LSF33	53.44
TMC2350A376	TMC2350NB376	TMC2350SS376	3 1/2"	-	1.69	2.95	3.45	3.45	3.54	3.16	3.76	3.38	4.84	5.32	4.95	LSF33	53.44
TMC2400A376	TMC2400NB376	TMC2400SS376	-	4"	1.73	2.95	3.45	3.45	3.54	3.16	3.76	3.38	4.84	5.32	4.95	LSF33	53.44
TMC2400A425	TMC2400NB425	TMC2400SS425	4"	-	1.73	-	-	3.56	3.94	3.70	4.25	3.59	5.23	5.75	5.16	LSF34	59.19

Order Code Example: TMC2050A075 - "TMC2" (Type Gland) - "050" (1/2" NPT Thread) - "A" (Material Aluminum) - "075" (Max Cable Diameter 0.75")
Dimensions are displayed in inches unless otherwise stated



TMC2X Ex e Ex d Ex ta

TMC2X Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

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

- RapidEx liquid pour sealing system
 - Enhances reliability, reduces risk
 - Reduces man hours
 - Reduces cost
- Simplified two part design
- Compact slim profile
- Independent sealing & armor clamping
- Simple, sequential installation process
- 360° grounding spring (non-magnetic)
- Disconnectable, union design feature
- -76°F to 185°F / -60°C to 85°C
- Globally marked, cCSAus, IECEx & ATEX

Supplied in pack with RapidEx resin



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA09ATEX1165X
Code of Protection	Ex II ZG 1D, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,7, EN 612410,1
IECEX Certificate	IECEX SIR 09.0069X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	2194053
CSAus 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; End. Type 4X. Class I, Zone 1, AEx d IIC; AEx e II; AEx ta IIC:
cCSA 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; End. Type 4X. Ex d IIC; Ex e II:
Compliance Standards	CAN/CSA-C22.2 No 0-M91, CAN/CSA-C22.2 No 18-04, CAN/CSA-C22.2 No 25-1966, CAN/CSA-C22.2 No 30-M1986, CAN/CSA-C22.2 No.174-M1984, CAN/CSA-C22.2 No.94-M91, CAN/CSA-E60079-0:07, CAN/CSA-E60079-7:07, CAN/CSA-E60079-1:07, CAN/CSA-E612411, ANSI/UL 514B Edition 5, ANSI/UL 50 Edition 11, ANSI/UL 2225 Edition 4
EAC Certificate	TC RU C-GB.F605.B00138
CCOE / PESO (India) Certificate	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 15-LD1410479-PDA
Ingress Protection Rating**	NEMA 4X & IP66
Cable Type	Corrugated & Interlocked Metal Clad Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° Stainless Steel Grounding Spring (non-magnetic) (beryllium copper optional)
Jacket Sealing Technique	CMP Load Retention Seal
Sealing Area(s)	RapidEx Liquid Resin, Cable Outer Jacket
Cable Gland Material	Copper Free (<0.4%) Aluminum, Stainless Steel, Electroless Nickel Plated Brass

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

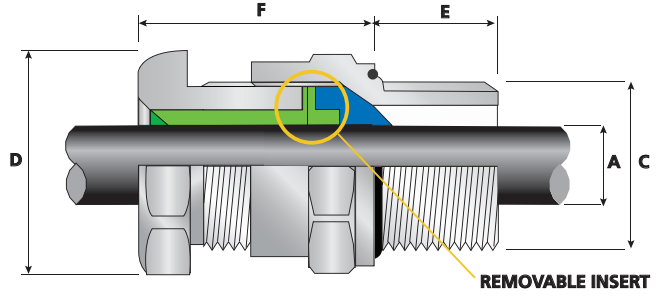
Cable Gland Selection Table
 Refer to illustration at the top of the page

Order Reference (NPT with RapidEx Resin)			Entry Thread "C"		Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Max Over Conductors "G"	Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"	Shroud	Approx Weight Aluminum (Ozs)
Aluminum	Nickel Plated Brass	Stainless Steel	NPT	NPT Option		Armor Stop In		Armor Stop Out		Min	Max						
						Min	Max	Min	Max								
TMC2X-050A075X	TMC2X-050NB075X	TMC2X-050SS075X	1/2"	-	0.78	0.42	0.55	0.55	0.63	0.500	0.750	0.51	1.20	1.32	2.44	PVC06	2.29
TMC2X-075A075X	TMC2X-075NB075X	TMC2X-075SS075X	-	3/4"	0.80	0.42	0.55	0.55	0.63	-	-	0.51	-	-	-	-	-
TMC2X-075A099X	TMC2X-075NB099X	TMC2X-075SS099X	3/4"	-	0.80	0.60	0.65	0.65	0.89	0.690	0.990	0.71	1.48	1.63	2.96	PVC09	3.00
TMC2X-050A099X	TMC2X-050NB099X	TMC2X-050SS099X	-	1/2"	0.78	0.60	0.78	0.78	0.89	-	-	0.51	-	-	-	-	-
TMC2X-100A118X	TMC2X-100NB118X	TMC2X-100SS118X	1"	-	0.98	0.79	0.86	0.86	1.10	0.870	1.180	0.94	1.81	1.99	3.15	PVC11	5.11
TMC2X-075A118X	TMC2X-075NB118X	TMC2X-075SS118X	-	3/4"	0.80	0.79	0.98	0.98	1.10	-	-	0.71	-	-	-	-	-
TMC2X-125A137X	TMC2X-125NB137X	TMC2X-125SS137X	1 1/4"	-	1.00	0.94	1.08	1.08	1.28	1.020	1.370	1.20	2.05	2.26	3.55	PVC15	6.70
TMC2X-100A137X	TMC2X-100NB137X	TMC2X-100SS137X	-	1"	0.98	0.94	1.18	1.18	1.28	-	-	0.94	-	-	-	-	-
TMC2X-150A162X	TMC2X-150NB162X	TMC2X-150SS162X	1 1/2"	-	1.03	1.22	1.35	1.35	1.50	1.300	1.620	1.46	2.36	2.60	3.59	PVC18	8.82
TMC2X-125A162X	TMC2X-125NB162X	TMC2X-125SS162X	-	1 1/4"	1.00	1.22	1.42	1.42	1.50	-	-	1.20	-	-	-	-	-
TMC2X-150A190X	TMC2X-150NB190X	TMC2X-150SS190X	1 1/2"	-	1.03	-	-	1.51	1.72	1.570	1.900	1.46	2.56	2.82	3.59	PVC37	9.45
TMC2X-125A190X	TMC2X-125NB190X	TMC2X-125SS190X	-	1 1/4"	1.00	-	-	1.51	1.72	-	-	1.20	-	-	-	-	-
TMC2X-200A200X	TMC2X-200NB200X	TMC2X-200SS200X	2"	-	1.53	1.57	1.70	1.70	1.88	1.650	2.000	1.63	2.75	3.03	3.76	PVC21	11.06
TMC2X-150A200X	TMC2X-150NB200X	TMC2X-150SS200X	-	1 1/2"	1.03	1.57	1.70	1.70	1.88	-	-	1.46	-	-	-	-	-
TMC2X-250A233X	TMC2X-250NB233X	TMC2X-250SS233X	2 1/2"	-	1.63	-	-	1.81	2.21	-	-	2.13	-	-	-	-	-
TMC2X-200A233X	TMC2X-200NB233X	TMC2X-200SS233X	-	2"	1.53	-	-	1.81	2.21	1.910	2.330	1.90	2.95	3.25	3.97	PVC23	12.77
TMC2X-150A233X	TMC2X-150NB233X	TMC2X-150SS233X	-	1 1/2"	1.03	-	-	1.81	2.21	-	-	1.46	-	-	-	-	-
TMC2X-300A272X	TMC2X-300NB272X	TMC2X-300SS272X	3"	-	1.63	2.14	2.46	2.17	2.61	2.270	2.720	2.55	3.54	3.89	4.10	PVC31	24.69
TMC2X-250A272X	TMC2X-250NB272X	TMC2X-250SS272X	-	2 1/2"	1.63	2.14	2.46	2.46	2.61	-	-	2.13	-	-	-	-	-
TMC2X-200A272X	TMC2X-200NB272X	TMC2X-200SS272X	-	2"	1.53	2.14	2.46	2.46	2.61	-	-	1.90	-	-	-	-	-
TMC2X-350A325X	TMC2X-350NB325X	TMC2X-350SS325X	3 1/2"	-	1.68	2.49	2.78	2.78	2.97	2.620	3.250	2.98	4.33	4.76	4.67	PVC32	42.68
TMC2X-300A325X	TMC2X-300NB325X	TMC2X-300SS325X	-	3"	1.63	2.49	2.78	2.78	2.97	-	-	2.98	-	-	-	-	-
TMC2X-400A376X	TMC2X-400NB376X	TMC2X-400SS376X	4"	-	1.73	2.95	3.45	3.45	3.54	3.160	3.760	3.38	4.84	5.32	4.95	LSF33	53.44
TMC2X-350A376X	TMC2X-350NB376X	TMC2X-350SS376X	-	3 1/2"	1.68	2.95	3.45	3.45	3.54	-	-	3.38	-	-	-	-	-
TMC2X-400A425X	TMC2X-400NB425X	TMC2X-400SS425X	4"	-	1.73	-	-	3.56	3.94	3.700	4.250	3.38	5.23	5.75	5.16	LSF34	59.19

*Order Code Example: TMC2X-050A075 - "TMC2X" (Gland Type) - "050" (1/2" NPT Thread) - "A" (Material Aluminum) - "075" (Max Cable Diameter 0.75")

Dimensions are displayed in inches unless otherwise stated

CMP PRODUCTS HAZARDOUS LOCATION CABLE GLANDS



TC Globally Approved, Hazardous (Classified) Location Cable Gland

For all types of Unarmored Tray Cables, Flexible Cables & Cord

- Aluminum, nickel plated brass or stainless steel design
- Increased cable range with removable insert
- Optional thread sizes
- -76°F to 230°F
- Globally marked, cCSAus, IECEx & ATEX
- Heavy duty design
- Entry thread seal as standard



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
ATEX Certificate	SIRA09ATEX1092X
Code of Protection	Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIC Da
Compliance Standards	EN 60079-0,1,7, EN 61241,1
IECEx Certificate	IECEx SIR 09.0042X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex ta IIC Da
Compliance Standards	IEC 60079-0,1,7 IEC 612411
cCSAus Certificate	2220601
CSAus Code of Protection	Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F, and G; Class III, Div. 2; Encl. Type 4X.
cCSA Code of Protection	Class I, Zone 1, AEx e: Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F, and G; Class III, Div. 2; Encl. Type 4X.
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0,7, CAN/CSA-E6124111, ANSI/UL 514B Ed 5, ANSI/UL 50E11, ANSI/UL 60079-0,7
EAC Certificate	TC RU C-GB.ГБ05.B.00138
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 15-LD1410479-PDA
Ingress Protection Rating**	IP66, IP67 & IP68***
NEMA Rating**	NEMA 4X
Cable Gland Material	Copper Free (<0.4%) Aluminum, Nickel Plated Brass, Stainless Steel
Cable Type	Tray Cable & Cords, Unarmored / Braid (IEC)
Sealing Technique	CMP Displacement Seal with Removable Insert
Sealing Area(s)	Cable Outer Jacket

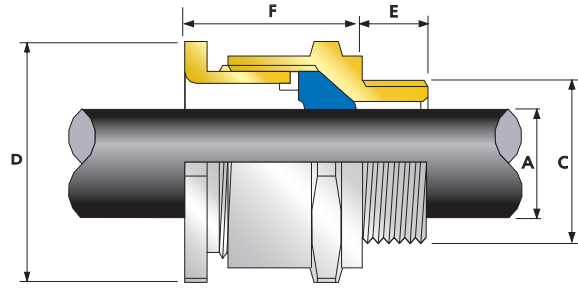
* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table
 Refer to illustration at the top of the page

Order Reference (NPT)			Entry Thread "C"		Minimum Thread Length "E"	Cable Range "A"		Cable Range "A"		Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"	Shroud	Approx Weight Aluminum (Ozs)
Aluminum	Nickel Plated Brass	Stainless Steel	NPT	NPT Option		Insert		No Insert						
						Min	Max	Min	Max					
TC-050A0281RA	TC-050NB0281RA	TC-050SS0281RA	1/2"	-	0.78	-	-	-	-	1.20	1.32	1.20	PVC05	1.94
TC-075A0281RA	TC-075NB0281RA	TC-075SS0281RA	-	3/4"	0.80	0.13	0.28	-	-	1.48	1.59	1.24	PVC05	1.69
TC-050A0551RA	TC-050NB0551RA	TC-050SS0551RA	1/2"	-	0.78	-	-	-	-	1.20	1.32	1.20	PVC06	1.94
TC-075A0551RA	TC-075NB0551RA	TC-075SS0551RA	-	3/4"	0.80	0.26	0.41	0.41	0.55	1.48	1.63	1.24	PVC06	1.69
TC-075A0791RA	TC-075NB0791RA	TC-075SS0791RA	3/4"	-	0.80	-	-	-	-	1.48	1.63	1.24	PVC09	1.69
TC-100A0791RA	TC-100NB0791RA	TC-100SS0791RA	-	1"	0.98	0.44	0.61	0.61	0.79	1.81	1.96	1.65	PVC09	3.17
TC-100A1041RA	TC-100NB1041RA	TC-100SS1041RA	1"	-	0.98	-	-	-	-	1.81	1.99	-	-	-
TC-125A1041RA	TC-125NB1041RA	TC-125SS1041RA	-	1 1/4"	1.01	0.67	0.85	0.85	1.04	2.05	2.21	1.65	PVC11	3.88
TC-125A1271RA	TC-125NB1271RA	TC-125SS1271RA	1 1/4"	-	1.01	-	-	-	-	2.05	2.25	-	-	-
TC-150A1271RA	TC-150NB1271RA	TC-150SS1271RA	-	1 1/2"	1.03	0.93	1.10	1.10	1.27	2.36	2.55	1.65	PVC13	4.94
TC-150A1501RA	TC-150NB1501RA	TC-150SS1501RA	1 1/2"	-	1.03	-	-	-	-	2.36	2.60	-	-	-
TC-200A1501RA	TC-200NB1501RA	TC-200SS1501RA	-	2"	1.06	1.22	1.37	1.37	1.50	2.95	3.19	1.65	PVC21	6.00
TC-200A1741RA	TC-200NB1741RA	TC-200SS1741RA	2"	-	1.06	-	-	-	-	2.76	2.98	-	-	-
TC-250A1741RA	TC-250NB1741RA	TC-250SS1741RA	-	2 1/2"	1.57	-	-	1.40	1.74	3.54	3.83	1.63	PVC21	8.64
TC-200A1971RA	TC-200NB1971RA	TC-200SS1971RA	2"	-	1.06	-	-	-	-	2.76	3.03	-	-	-
TC-250A1971RA	TC-250NB1971RA	TC-250SS1971RA	-	2 1/2"	1.57	-	-	1.63	1.97	3.54	3.83	1.74	PVC28	8.29
TC-250A2201RA	TC-250NB2201RA	TC-250SS2201RA	2 1/2"	-	1.57	-	-	-	-	3.54	3.83	-	-	-
TC-300A2201RA	TC-300NB2201RA	TC-300SS2201RA	-	3"	1.63	-	-	1.86	2.21	4.33	4.68	1.74	PVC28	13.58
TC-250A2441RA	TC-250NB2441RA	TC-250SS2441RA	2 1/2"	-	1.57	-	-	-	-	3.54	3.90	1.79	PVC31	13.58
TC-300A2441RA	TC-300NB2441RA	TC-300SS2441RA	-	3"	1.63	-	-	2.13	2.44	4.33	4.68	-	-	-
TC-300A2681RA	TC-300NB2681RA	TC-300SS2681RA	3"	-	1.63	-	-	-	-	4.33	4.68	1.79	PVC31	23.63
TC-350A2681RA	TC-350NB2681RA	TC-350SS2681RA	-	3 1/2"	1.69	-	-	2.41	2.68	4.84	5.23	-	-	-
TC-350A3151RA	TC-350NB3151RA	TC-350SS3151RA	3 1/2"	-	1.69	-	-	-	-	4.84	5.23	-	-	-
TC-400A3151RA	TC-400NB3151RA	TC-400SS3151RA	-	4"	1.73	-	-	2.62	3.15	5.25	5.67	2.50	LSF33	34.22
TC-400A3541RA	TC-400NB3541RA	TC-400SS3541RA	4"	-	1.73	-	-	2.99	3.54	5.25	5.67	2.36	LSF34	38.80

Order Code Example: TC-050A0281RA131 - "TC" (Type Gland) - "050" (1/2" NPT Thread) - "A" (Material Aluminum) - "028" (Max Cable Diameter 0.28")

Dimensions are displayed in inches unless otherwise stated



A2F Ex e Ex d Ex nR Ex ta

A2F Globally Approved, Hazardous (Classified) Location Cable Gland

For all types of Unarmored & Braided Cables

- Aluminum, nickel plated brass or stainless steel design
- Optional thread sizes
- Displacement type flameproof seal
- Deluge protected
- -76°F to 230°F
- Globally marked, CSA, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form



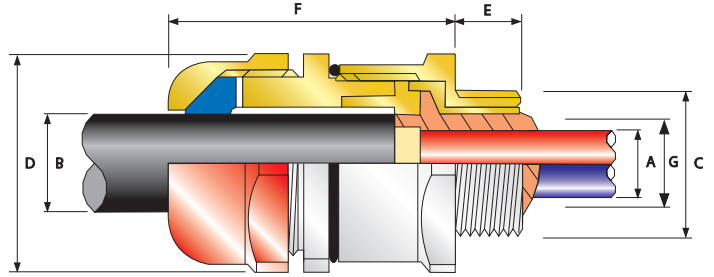
TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1068X, SIRA13ATEX4074X
Code of Protection	⊕ II 2G, II 1D Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da ⊕ II 3G Ex nR IIC Gc I M2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0023X, IECEx SIM 14.0006
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
CSA Certificate	1211841
Code of Protection	Class I, Div. 2 Groups B, C and D; Class II, Div. 2 Groups E, F and G; Class III, Div. 2; Type 4X: Oil Resistant II: Ex d IIC, Ex e II, Ex nR II
Compliance Standards	C22.2 No 0,0,4, 94, 174, CAN/CSA-E60079-0,1,7,15
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.В00138
KCC Certificate	13_GA480_0748X ; 13_GA480_0749X ; 13_GA480_0750X ; 14_GA480_0251X
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.0619X
CCOE / PESO Certificate (India)	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3), DNV: E-13848, ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68***
NEMA Rating**	NEMA 4X
Deluge Protection Compliance	DTS01 : 91
Cable Gland Material	Copper Free (<0.4%) Aluminum, Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Unarmored & Braided (when terminated inside enclosure)
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Cable Outer Jacket

Cable Gland Selection Table
Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C"				Overall Cable Diameter "A"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference ("Nickel Plated Brass NPT")			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20S16	1/2"	3/4"	M20	0.78	0.13	0.34	0.95	1.04	1.04	20S16	A2F	1RA531	PVC05	2.30
20S	1/2"	3/4"	M20	0.78	0.24	0.46	0.95	1.04	1.00	20S	A2F	1RA531	PVC05	2.02
20	1/2"	3/4"	M20	0.78	0.26	0.55	1.06	1.17	1.06	20	A2F	1RA531	PVC05	2.04
25	3/4"	1"	M25	0.80	0.44	0.79	1.42	1.56	1.40	25	A2F	1RA532	PVC10	3.66
32	1"	1 1/4"	M32	0.98	0.67	1.04	1.61	1.78	1.35	32	A2F	1RA533	PVC10	4.45
40	1 1/4"	1 1/2"	M40	1.01	0.93	1.27	1.97	2.17	1.37	40	A2F	1RA534	PVC13	6.64
50S	1 1/2"	2"	M50	1.03	1.22	1.50	2.17	2.38	1.34	50S	A2F	1RA535	PVC15	8.12
50	2"	2 1/2"	M50	1.06	1.40	1.73	2.56	2.82	1.52	50	A2F	1RA536	PVC19	15.26
63S	2"	2 1/2"	M63	1.06	1.63	1.97	2.76	3.03	1.42	63S	A2F	1RA536	PVC21	12.41
63	2 1/2"	3"	M63	1.57	1.86	2.20	3.15	3.47	1.41	63	A2F	1RA537	PVC24	25.55
75S	2 1/2"	3"	M75	1.57	2.13	2.44	3.15	3.47	1.46	75S	A2F	1RA537	PVC24	18.54
75	3"	3 1/2"	M75	1.63	2.41	2.67	3.94	4.33	1.58	75	A2F	1RA538	PVC30	44.56
90	3 1/2"	4"	M90	1.69	2.62	3.15	4.25	4.68	2.18	90	A2F	1RA539	PVC31	59.90
100	3 1/2"	4"	M100	1.69	2.99	3.58	4.85	5.34	2.19	100	A2F	1RA539	LSF33	52.90
115	4"	5"	M115	1.73	3.39	3.85	5.25	5.78	2.57	115	A2F	1RA5310	LSF34	76.71
130	5"	-	M130	1.84	3.82	4.52	6.00	6.60	2.91	130	A2F	1RA5311	LSF35	138.91

*For material options add the following suffix to the Ordering Reference, Brass (no suffix required), Nickel Plated Brass 'S', 316 Grade Stainless Steel '4', Copper Free Aluminum '1'
For NPT options add the following digits to the material suffix; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix '0')
Examples: 32A2F1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SA2F1RA035 = Brass 1 1/2" NPT, 25A2F1RA432 = Stainless Steel 3/4" NPT, 20A2F1RA5 = Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



PXSS2K Ex e Ex d Ex nR Ex ta

PXSS2K Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Unarmored Cables

- Direct & remote installation
- Superior levels of cable retention
- Displacement type environmental seal
- Compound barrier type flameproof seal
- Deluge protected
- Disconnectable, union feature design
- -76°F to 185°F / -60°C to 85°C
- Globally marked, UL, cCSAus, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓜ II 2 GD, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIC Da Ⓜ II 3 G Ex nR IIC Gc, Ⓜ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20S16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIC Da
cCSA Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,174,94, CAN/CSA-E60079-0,1,7,15,31, CAN/CSA-E6124111 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
UL Certificate	E201187B, E253914
Code of Protection	Class I, Groups A,B,C,D, Class II, Groups F,G Class I, Zone 1, AEx d IIC, AEx e II
Compliance Standards	UL 2225, CSA C22.2 No 174 UL 2225, UL 514B, UL 60079-0, UL 60079-7
EAC Certificate	TC RU C-GB.Г505.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GY13.1140X / GY13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68****
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Unarmored***
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Inner Compound Barrier & Outer Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** Where the cable is permitted by code (NEC and/or CEC)
 **** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

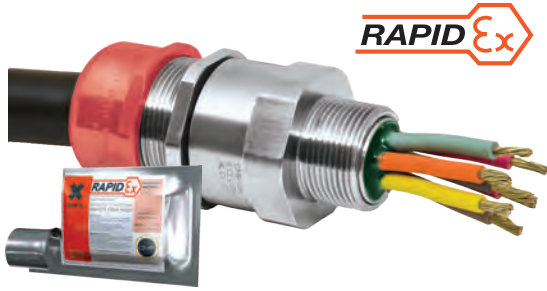
Cable Gland Selection Table

Refer to illustration at the top of the page

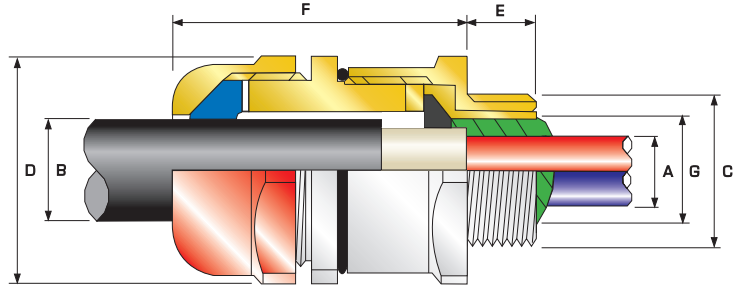
Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"			Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"				Max	Min	Max				Max	Max	Size		
20S16	1/2"	3/4"	M20	0.78	11	0.34	0.34	0.12	0.34	1.18	1.30	2.09	20S16	PXSS2K	1RA531	PVC06	7.06	
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.46	1.18	1.30	2.09	20S	PXSS2K	1RA531	PVC06	7.06	
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.26	0.55	1.18	1.30	2.13	20	PXSS2K	1RA531	PVC06	7.06	
20L	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.39	0.63	1.18	1.30	2.13	20L	PXSS2K	1RA531	PVC06	7.06	
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.44	0.79	1.42	1.56	2.36	25	PXSS2K	1RA532	PVC09	11.64	
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.67	1.04	1.61	1.78	2.41	32	PXSS2K	1RA533	PVC10	13.76	
32L	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.79	1.08	1.61	1.78	2.41	32L	PXSS2K	1RA533	PVC10	13.76	
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	0.87	1.26	1.97	2.17	2.46	40	PXSS2K	1RA534	PVC13	19.75	
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.16	1.50	2.17	2.38	2.57	50S	PXSS2K	1RA535	PVC15	23.28	
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.40	1.73	2.36	2.60	2.66	50	PXSS2K	1RA536	PVC18	25.75	
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.58	1.97	2.76	3.03	2.80	63S	PXSS2K	1RA536	PVC21	37.74	
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	1.86	2.20	2.95	3.25	2.77	63	PXSS2K	1RA537	PVC23	37.39	
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.08	2.44	3.15	3.47	2.97	75S	PXSS2K	1RA537	PVC25	45.86	
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.33	2.67	3.35	3.68	2.95	75	PXSS2K	1RA538	PVC27	45.86	
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	2.62	3.13	4.25	4.68	3.73	90	PXSS2K	1RA539	PVC31	106.53	
100	3 1/2"	4"	M100	1.69	200	3.37	3.38	2.99	3.58	4.84	5.33	3.40	100	PXSS2K	1RA5310	LSF33	141.10	

* Note : For material options please change the suffix in the Ordering Reference : Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"
 For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39 (Brass requires prefix "0")
 Examples: 32PXSS2K1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPXSS2K1RA035 = Brass 1 1/2" NPT, 25PXSS2K1RA432 = Stainless Steel 3/4" NPT, 20PXSS2K1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



RAPID Ex



PXSS2KREX



PXSS2KREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Unarmored Cables

- RapidEx liquid pour sealing system
 - Enhances reliability, reduces risk
 - Reduces man hours
 - Reduces cost
- Direct & remote installation
- Superior levels of cable retention
- Displacement type environmental seal
- Deluge protected
- Disconnectable, union feature design
- -76°F to 185°F / -60°C to 85°C
- Globally marked, cCSAus, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form



Supplied in pack with RapidEx resin

TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓜ II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da Ⓜ II 3G Ex nR IIC Gc, Ⓜ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20S16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN CSA-E6124111, Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0:07
EAC Certificate	TC RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68****
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Barrier Compound
Cable Type	Unarmored***
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	RapidEx Resin Barrier & Cable Outer Sheath

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

** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

***Where the cable is permitted by code (NEC and/or CEC)

**** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table

Refer to illustration at the top of the page

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"				Max	Max				Min	Max	Size		
20S16	1/2"	3/4"	M20	0.78	11	0.34	0.34	0.12	0.34	1.18	1.30	2.09	20S16	PXSS2KREX	1EX531	PVC06	7.06
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.46	1.18	1.30	2.09	20S	PXSS2KREX	1EX531	PVC06	7.06
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.26	0.55	1.18	1.30	2.13	20	PXSS2KREX	1EX531	PVC06	7.06
20L	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.39	0.63	1.18	1.30	2.13	20L	PXSS2KREX	1EX531	PVC06	7.06
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.44	0.79	1.42	1.56	2.36	25	PXSS2KREX	1EX532	PVC09	11.64
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.67	1.04	1.61	1.78	2.41	32	PXSS2KREX	1EX533	PVC10	13.76
32L	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.79	1.08	1.61	1.78	2.41	32L	PXSS2KREX	1EX533	PVC10	13.76
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	0.87	1.26	1.97	2.17	2.46	40	PXSS2KREX	1EX534	PVC13	19.75
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.16	1.50	2.17	2.38	2.57	50S	PXSS2KREX	1EX535	PVC15	23.28
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.40	1.73	2.36	2.60	2.66	50	PXSS2KREX	1EX536	PVC18	25.75
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.58	1.97	2.76	3.03	2.80	63S	PXSS2KREX	1EX536	PVC21	37.74
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	1.86	2.20	2.95	3.25	2.77	63	PXSS2KREX	1EX537	PVC23	37.39
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.08	2.44	3.15	3.47	2.97	75S	PXSS2KREX	1EX537	PVC25	45.86
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.33	2.67	3.35	3.68	2.95	75	PXSS2KREX	1EX538	PVC27	45.86
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	2.62	3.13	4.25	4.68	3.73	90	PXSS2KREX	1EX539	PVC31	106.53
100	3 1/2"	4"	M100	1.69	200	3.37	3.38	2.99	3.58	4.84	5.33	3.40	100	PXSS2KREX	1EX5310	LSF33	141.10

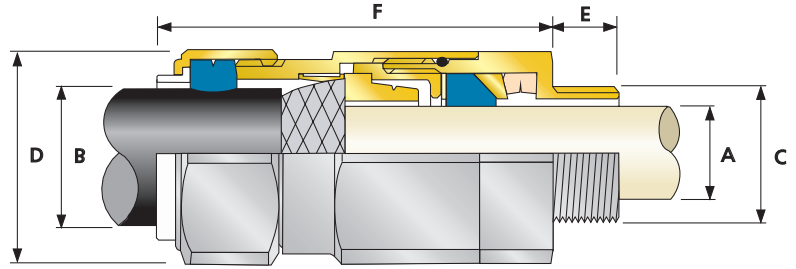
*Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1" For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32PXSS2KREX1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPXSS2KREX1RA035 = Brass 1 1/2" NPT, 25PXSS2KREX1RA432 = Stainless Steel 3/4" NPT, 20PXSS2KREX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



TRITON
CDS



T3CDS

Ex e Ex d Ex nR Ex ta

Triton CDS (T3CDS) Globally Approved, Hazardous (Classified) Location Cable Gland

For all types of Armored Cables

- Fully sequential, three step installation procedure
- Reduces installation times, cost & risk
- Direct & remote installation
- Unique compensating displacement seal system (CDS)
 - Metal-to-metal installation every time regardless of cable diameter
- Designed to reduce the effects of Coldflow
- Integral protected deluge seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -76°F to 266°F (standard), -4°F to 392°F (ThermEx option)
- Globally marked, UL, cCSAus, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armor (STA, DSTA) and Aluminum Strip Armor (ASA) but is also suitable for Single Wire Armor (SWA), Aluminum Wire Armor (AWA) and Pliable Wire Armor (PWA) if the range is outside that of the Stepped Cone (W).

Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armor cables. Tapes can also be doubled over. For cables that have only a single layer of armor such as SWA the clamping range should be used as shown in the table below.

Stepped (W) Cone is suitable for Single Wire Armor (SWA), or Aluminum Wire Armor (AWA) cables.

TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classification*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1073X, SIRA13ATEX4079X
Code of Protection	Ⓜ II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da, Ⓜ II 3G Ex nR IIC Gc, Ⓜ I M2, Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0028X, IECEx SIM 14.0007X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20S16 - 90)	1310517
CSAus Code of Protection	Class I, Div 2, Groups A,B,C and D, Class II, Div 2, Groups E,F and G, Class III, Enclosure Type 3, 4 and 4X, Class I, Zone 1, AEx e II, AEx nR II
cCSA Code of Protection	Class I, Div 2, Groups A,B,C and D, Class II, Div 2, Groups E,F and G, Class III, Enclosure Type 3, 4 and 4X, Ex d IIC, Ex e IIC, Ex nR II
Compliance Standards	CAN/CSA-C22.2 No 0, 18, 25, 30, 94, 174, CAN/CSA-E60079-0, 1, 7, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0, 1, 7
UL Certificate (20S16 - 90)	E200163
Code of Protection	Class I, Zone 1, AEx e II
Compliance Standards	UL514B
EAC Certificate	TC RU C-GB.ГБ05.В00138
NEPSI Certificate	GY13.1141X / GY13.1283X
CCOE / PESO (India) Certificate	P333688
INMETRO Certificate	TUV 11.0374X
RETIE Certificate	03866
Marine Certificates	LRS: 01/00172 (E3), DNV: E-13848, ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68***
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type(s)	Steel / Served Wire Armor (SWA), Aluminum Wire Armor (AWA), Pliable Wire Armor (PWA), Steel Tape Armor (STA), Aluminum Strip Armor (ASA), Screened Flexible (EMC) Wire Braid (e.g. CY/SY), Wire Braid Armor (e.g. SWB)
Armor Clamping	Reversible Armor Cone & AnyWay Universal Clamping Ring
Sealing Technique	Inner Bedding Sealing Ring: Compensating Displacement Seal (CDS), Outer Sheath Sealing Ring: Load Retention Seal (LRS)
Sealing Area(s)	Cable Inner Bedding & Outer Cable Sheath

Cable Gland Selection Table

Refer to illustration at the top of the page

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

** When NPT installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

*** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

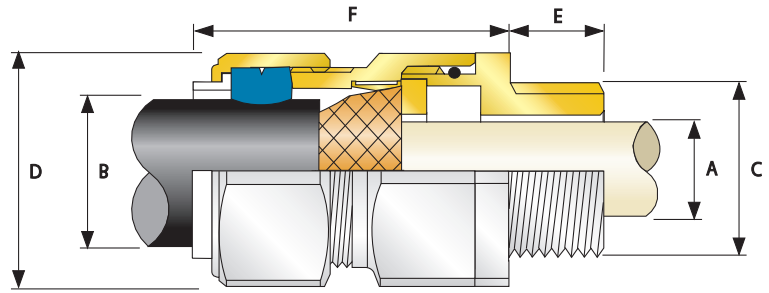
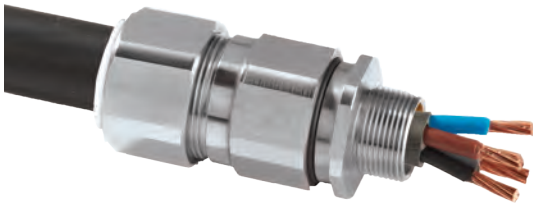
Cable Gland Size	Available Entry Threads "C"			Minimum Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armor Range †				Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)		Min	Max	Min	Max	Grooved Cone (X)		Stepped Cone (W)					Size	Type	Ordering Suffix		
									Min	Max	Min	Max								
20S16	1/2"	3/4"	M20	0.78	0.12	0.34	0.24	0.52	0.01	0.04	0.03	0.05	0.95	1.04	3.10	20S16	T3CDS	1RA531	PVC36	7.06
20S	1/2"	3/4"	M20	0.78	0.24	0.46	0.37	0.63	0.01	0.04	0.03	0.05	0.95	1.04	3.10	20S	T3CDS	1RA531	PVC36	6.91
20	1/2"	3/4"	M20	0.78	0.26	0.55	0.49	0.82	0.02	0.04	0.03	0.05	1.20	1.32	3.00	20	T3CDS	1RA531	PVC06	9.77
25S	3/4"	1"	M25	0.80	0.44	0.78	0.55	0.87	0.02	0.05	0.05	0.06	1.48	1.62	3.49	25S	T3CDS	1RA532	PVC09	15.34
25	3/4"	1"	M25	0.80	0.44	0.78	0.72	1.03	0.02	0.05	0.05	0.06	1.48	1.62	3.49	25	T3CDS	1RA532	PVC09	15.34
32	1"	1 1/4"	M32	0.98	0.67	1.03	0.93	1.34	0.02	0.05	0.06	0.08	1.81	1.99	3.57	32	T3CDS	1RA533	PVC11	22.33
40	1 1/4"	1 1/2"	M40	1.01	0.87	1.26	1.10	1.59	0.02	0.06	0.06	0.08	2.17	2.38	3.67	40	T3CDS	1RA534	PVC15	31.92
50S	1 1/2"	2"	M50	1.03	1.16	1.50	1.39	1.84	0.02	0.06	0.08	0.10	2.36	2.60	3.96	50S	T3CDS	1RA535	PVC18	39.65
50	2"	2 1/2"	M50	1.06	1.40	1.73	1.59	2.09	0.02	0.06	0.08	0.10	2.76	3.04	4.16	50	T3CDS	1RA536	PVC21	56.58
63S	2"	2 1/2"	M63	1.06	1.58	1.97	1.80	2.34	0.02	0.06	0.08	0.10	2.95	3.24	4.03	63S	T3CDS	1RA536	PVC23	61.10
63	2 1/2"	3"	M63	1.57	1.86	2.20	2.15	2.59	0.02	0.06	0.08	0.10	3.15	3.47	4.15	63	T3CDS	1RA537	PVC25	62.72
75S	2 1/2"	3"	M75	1.57	2.08	2.44	2.32	2.84	0.02	0.06	0.08	0.10	3.54	3.90	4.35	75S	T3CDS	1RA537	PVC28	90.70
75	3"	3 1/2"	M75	1.63	2.33	2.67	2.63	3.09	0.02	0.06	0.10	0.12	3.94	4.33	4.73	75	T3CDS	1RA538	PVC30	117.93
90	3 1/2"	4"	M90	1.69	2.62	3.09	3.00	3.56	0.03	0.06	0.12	0.16	4.53	4.98	5.47	90	T3CDS	1RA539	PVC32	171.73
100	3 1/2"	4"	M100	1.69	2.99	3.58	3.39	3.99	0.03	0.06	0.12	0.16	5.00	5.50	6.05	100	T3CDS	1RA539	LSF33	175.28
115	4"	5"	M115	1.73	3.39	3.85	4.00	4.34	0.03	0.06	0.12	0.16	5.43	5.98	6.50	115	T3CDS	1RA5310	LSF34	272.35
130	5"	-	M130	1.84	3.82	4.52	4.34	4.85	0.03	0.06	0.12	0.16	6.00	6.80	6.82	130	T3CDS	1RA5311	LSF35	344.37

* Note : For material options please change the suffix in the Ordering Reference : Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"

For NPT options please change the following digits after the material suffix : 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32T3CDS1RA533534 = Nickel Plated Brass 1 1/4" NPT, 50S13CDS1RA536035 = Brass 1 1/2" NPT, 25T3CDS1RA532432 = Stainless Steel 3/4" NPT, 20T3CDS1RA5315 = Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



C2KX



C2KX Globally Approved, Hazardous (Classified) Location Cable Gland

For all types of Braided cables

- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Integral protected deluge seal
- -76°F to 266°F (standard), -4°F to 392°F (ThermEx option)
- Globally marked, UL, cCSAus, IECEx & ATEX
- Superior EMC performance
- VAR design available for VFD/VSD cables
- As standard in nickel plated brass with NPT thread form



CMP SOLO LSF Halogen Free Shrouds also available on request.

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1070X, SIRA13ATEX4076X
Code of Protection	⊕ II 2G, II 1D, Ex e IIC Gb, Ex ta IIIC Da ⊕ II 3G Ex nR IIC Gc
Compliance Standards	EN 60079-0, 7, 15, 31
IECEx Certificate	IECEx SIR 13.0025X
Code of Protection	Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 612410, 7, 15, 31
cCSAus Certificate (20S16 - 90)	2367109
CSAus Code of Protection	Class I, Zone 1, AEx e II, AEx nR II
cCSA Code of Protection	Ex e II, Ex nR II
Compliance Standards	CAN/CSA-C22.2 No 0, 18, 3, 94, 1, 94, 2, CAN/CSA-E60079-0, 7, ANSI/UL 514B, 5th Ed, ANSI/UL 50, ANSI/UL 50E, ANSI/UL 2225, 4th Ed, CAN/CSA C22.2 No. 60529:05, ANSI/UL 60079-0, 5th Ed, ANSI/UL 60079-7, 4th Ed, IEC 60529 Ed. 2.1
UL Certificate (20S16 - 90)	E 200163, E256367
EAC Certificate	TC RU C-GB.F05.B00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GY13.1140X
INMETRO Approval	TÜV 120617X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 01LD234401B-2PPDA
Ingress Protection Rating**	IP66, IP67 & IP68***
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Braid Armored Shipboard cable and all IEC Braid Cables
Armor Clamping	Detachable Armor Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Cable Outer Jacket

Cable Gland Selection Table
Refer to illustration at the top of the page

Cable Gland Size	Available Entry Threads "C"			Minimum Thread Length "E"	Cable Bedding Diameter "A"	Overall Cable Diameter "B"		Armor Range † Grooved Cone (X)		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)			Max	Min	Max	Min				Max	Max	Max		
20S16	1/2"	3/4"	M20	0.78	0.34	0.24	0.52	0.01	0.04	1.20	1.32	2.56	20S16	C2KX	1RA531	PVC06	8.19
20S	1/2"	3/4"	M20	0.78	0.46	0.37	0.63	0.01	0.04	1.20	1.32	2.44	20S	C2KX	1RA531	PVC06	7.96
20	1/2"	3/4"	M20	0.78	0.55	0.49	0.82	0.02	0.04	1.20	1.32	2.48	20	C2KX	1RA531	PVC06	7.86
25S	3/4"	1"	M25	0.80	0.79	0.55	0.87	0.02	0.05	1.48	1.62	2.74	25S	C2KX	1RA532	PVC09	12.24
25	3/4"	1"	M25	0.80	0.79	0.72	1.03	0.02	0.05	1.48	1.62	2.74	25	C2KX	1RA532	PVC09	12.24
32	1"	1 1/4"	M32	0.98	1.02	0.93	1.34	0.02	0.05	1.81	1.99	2.95	32	C2KX	1RA533	PVC11	19.47
40	1 1/4"	1 1/2"	M40	1.01	1.27	1.10	1.59	0.02	0.06	2.17	2.38	2.95	40	C2KX	1RA534	PVC15	26.46
50S	1 1/2"	2"	M50	1.03	1.50	1.39	1.84	0.02	0.06	2.36	2.60	3.03	50S	C2KX	1RA535	PVC18	30.27
50	2"	2 1/2"	M50	1.06	1.74	1.59	2.09	0.02	0.06	2.76	3.04	3.03	50	C2KX	1RA536	PVC21	40.00
63S	2"	2 1/2"	M63	1.06	1.97	1.80	2.34	0.02	0.06	2.95	3.25	3.15	63S	C2KX	1RA536	PVC23	46.77
63	2 1/2"	3"	M63	1.57	2.21	2.15	2.59	0.02	0.06	3.15	3.47	3.15	63	C2KX	1RA537	PVC25	47.37
75S	2 1/2"	3"	M75	1.57	2.44	2.32	2.84	0.02	0.06	3.54	3.90	3.43	75S	C2KX	1RA537	PVC28	71.39
75	3"	3 1/2"	M75	1.63	2.53	2.63	3.09	0.02	0.06	3.94	4.33	3.47	75	C2KX	1RA538	PVC30	87.41
90	3 1/2"	4"	M90	1.69	3.09	3.00	3.56	0.03	0.06	4.53	4.98	4.02	90	C2KX	1RA539	PVC32	124.27
100	3 1/2"	4"	M100	1.69	3.58	3.39	3.99	0.03	0.06	4.84	5.50	4.49	100	C2KX	1RA539	LSF33	101.13

*Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1" For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32C2KX1RA5 = Nickel Plated Brass 32mm, 32C2KX1RA1 = Copper Free Aluminum 32mm

Dimensions are displayed in inches unless otherwise stated



PX2KX



PX2KX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

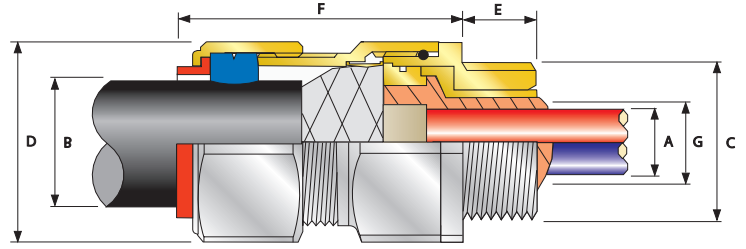
For all types of Braided & Tape Armored Cables

- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Compound barrier type flameproof seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Integral protected deluge seal
- Disconnectable, union feature design
- -76°F to 185°F
- Globally marked, UL, cCSAus, IECEx & ATEX
- Superior EMC performance
- As standard in nickel plated brass with NPT thread form



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armor (STA, DSTA) and Aluminum Strip Armor (ASA) but is also suitable for Single Wire Armor (SWA), Aluminum Wire Armor (AWA) and Pliable Wire Armor (PWA) if the range is outside that of the Stepped Cone (W).

Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armor cables. Tapes can also be doubled over. For cables that have only a single layer of armor such as SWA the clamping range should be used as shown in the table below.



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓜ II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da, Ⓜ II 3G Ex nR IIC Gc, Ⓜ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I, Ex e I
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20S16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,15,31 CAN/CSA-E6124111 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
UL Certificate (20S16 - 90)	E201187, E161256C
Code of Protection	Class I Div 1,2, Groups A,B,C,D, Class II Div 1,2, Groups E,F,G
Compliance Standards	UL 2225, CSA C22.2 No 174, UK 514B, CSA C22.2 No 18, CSA C22.2 No 30
EAC Certificate	TC RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TUV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRs: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68****
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Braid Armored Shipboard cable and all IEC Braid Cables***
Armor Clamping	Detachable Compound Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP "LRS" Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner Compound Barrier & Outer Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** Where the cable is permitted by code (NEC and/or CEC)
 **** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

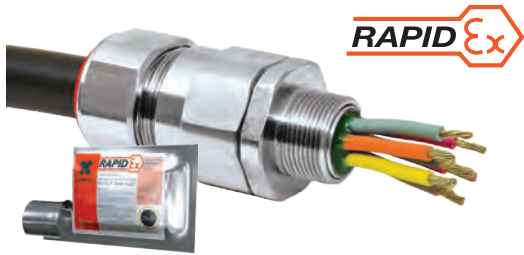
Cable Gland Selection Table
 Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armor Range † Grooved Cone (X)		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"				Max	Min	Max	Min				Max	Size	Type		
20S16	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.52	0.01	0.04	1.20	1.32	2.44	20S16	PX2KX	1RA531	PVC06	8.47
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.37	0.63	0.01	0.04	1.20	1.32	2.44	20S	PX2KX	1RA531	PVC06	8.11
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.49	0.82	0.02	0.04	1.20	1.32	2.48	20	PX2KX	1RA531	PVC06	8.47
25S	3/4"	1"	M25	0.80	21	0.69	0.70	0.55	0.87	0.02	0.05	1.48	1.62	2.74	25S	PX2KX	1RA532	PVC09	13.05
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.72	1.03	0.02	0.05	1.48	1.62	2.74	25	PX2KX	1RA532	PVC09	13.05
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.93	1.34	0.02	0.05	1.81	1.99	2.95	32	PX2KX	1RA533	PVC11	20.11
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	1.10	1.59	0.02	0.06	2.17	2.38	2.95	40	PX2KX	1RA534	PVC15	28.22
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.39	1.84	0.02	0.06	2.36	2.60	3.03	50S	PX2KX	1RA535	PVC18	31.75
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.59	2.09	0.02	0.06	2.76	3.03	3.03	50	PX2KX	1RA536	PVC21	41.98
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.80	2.34	0.02	0.06	2.95	3.25	3.14	63S	PX2KX	1RA536	PVC23	49.03
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	2.15	2.59	0.02	0.06	3.15	3.47	3.16	63	PX2KX	1RA537	PVC25	49.74
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.32	2.84	0.02	0.06	3.54	3.90	3.42	75S	PX2KX	1RA537	PVC28	73.72
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.63	3.09	0.02	0.06	3.94	4.33	3.48	75	PX2KX	1RA538	PVC30	89.60
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	3.00	3.56	0.03	0.06	4.53	4.98	4.02	90	PX2KX	1RA539	PVC32	130.87
100	3 1/2"	4"	M100	1.73	200	3.37	3.38	3.39	3.99	0.03	0.06	5.00	5.50	4.49	100	PX2KX	1RA5310	LSF33	169.67

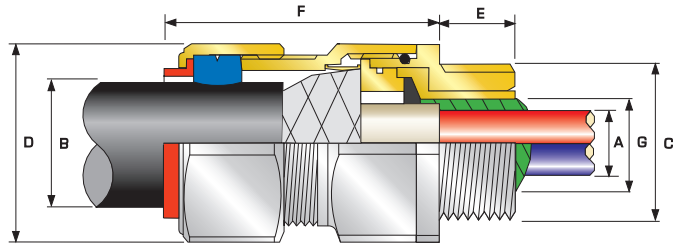
*Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "S" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1" For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32PX2KX1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPX2KX1RA035 = Brass 1 1/2" NPT, 25PX2KX1RA432 = Stainless Steel 3/4" NPT, 20PX2KX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



RAPID Ex



PX2KXREX



PX2KXREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Braided & Tape Armored Cables

- RapidEx liquid pour sealing system
 - Enhances reliability, reduces risk
 - Reduces man hours
 - Reduces cost
- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Disconnectable, union feature design
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -76°F to 185°F
- Globally marked, cCSAus, IECEx & ATEX
- Superior EMC performance
- As standard in nickel plated brass with NPT thread form

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓜ II 2G, II 1D, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da Ⓜ II 3G Ex nR IIC Gc, Ⓜ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20S16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN/CSA-E612411 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
EAC Certificate	TC RU C-GB.T605.B00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68****
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Resin Barrier
Cable Type	Braid Armored Shipboard cable and all IEC Braid Cables***
Armor Clamping	Detachable Resin Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner RapidEx Barrier Seal & Outer Sheath



† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armor (STA, DSTA) and Aluminum Strip Armor (ASA) but is also suitable for Single Wire Armor (SWA), Aluminum Wire Armor (AWA) and Pliable Wire Armor (PWA) if the range is outside that of the Stepped Cone (W).

Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armor cables. Tapes can also be doubled over. For cables that have only a single layer of armor such as SWA the clamping range should be used as shown in the table below.

Supplied in pack with RapidEx resin

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** Where the cable is permitted by code (NEC and/or CEC)
 **** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table
 Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armor Range † Grooved Cone (X)		Across Flats "D"		Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"				Max	Min	Max	Min	Max	Max			Max	Size	Type		
20S16	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.52	0.01	0.04	1.20	1.32	2.44	20S16	PX2KXREX	1EX531	PVC06	8.47	
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.37	0.63	0.01	0.04	1.20	1.32	2.44	20S	PX2KXREX	1EX531	PVC06	8.11	
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.49	0.82	0.02	0.04	1.20	1.32	2.48	20	PX2KXREX	1EX531	PVC06	8.47	
25S	3/4"	1"	M25	0.80	21	0.69	0.70	0.55	0.87	0.02	0.05	1.48	1.62	2.74	25S	PX2KXREX	1EX532	PVC09	13.05	
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.72	1.03	0.02	0.05	1.48	1.62	2.74	25	PX2KXREX	1EX532	PVC09	13.05	
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.93	1.34	0.02	0.05	1.81	1.99	2.95	32	PX2KXREX	1EX533	PVC11	20.11	
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	1.10	1.59	0.02	0.06	2.17	2.38	2.95	40	PX2KXREX	1EX534	PVC15	28.22	
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.39	1.84	0.02	0.06	2.36	2.60	3.03	50S	PX2KXREX	1EX535	PVC18	31.75	
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.59	2.09	0.02	0.06	2.76	3.03	3.03	50	PX2KXREX	1EX536	PVC21	41.98	
63S	2 1/2"	3"	M63	1.06	115	1.89	1.91	1.80	2.34	0.02	0.06	2.95	3.25	3.14	63S	PX2KXREX	1EX536	PVC23	49.03	
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	2.15	2.59	0.02	0.06	3.15	3.47	3.16	63	PX2KXREX	1EX537	PVC25	49.74	
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.32	2.84	0.02	0.06	3.54	3.90	3.42	75S	PX2KXREX	1EX537	PVC28	73.72	
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.63	3.09	0.02	0.06	3.94	4.33	3.48	75	PX2KXREX	1EX538	PVC30	89.60	
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	3.00	3.56	0.03	0.06	4.53	4.98	4.02	90	PX2KXREX	1EX539	PVC32	130.87	
100	3 1/2"	4"	M100	1.73	200	3.37	3.38	3.39	3.99	0.03	0.06	5.00	5.50	4.49	100	PX2KXREX	1EX5310	LSF33	169.67	

* Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"
 For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")
 Examples: 32PX2KXREX1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPX2KXREX1RA035 = Brass 1 1/2" NPT, 25PX2KXREX1RA432 = Stainless Steel 3/4" NPT, 20PX2KXREX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated

CMP PRODUCTS HAZARDOUS LOCATION CABLE GLANDS



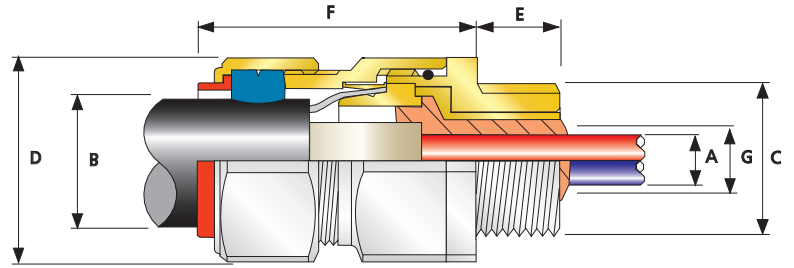
PX2KW



PX2KW Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Single / Served Wire Armored Cables

- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Compound barrier type flameproof seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Integral protected deluge seal
- Disconnectable, union feature design
- -76°F to 185°F
- Globally marked, UL, cCSAus, IECEx & ATEX
- Superior EMC performance
- As standard in nickel plated brass with NPT thread form



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓜ II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da, Ⓜ II 3G Ex nR IIC Gc, Ⓜ II M2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I, Ex e I
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20S16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X; Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 2 Groups A, B, C and D; Class II, Div. 2 Groups F and G; Class III, Div. 2; Type 4X; Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,15,31 CAN/CSA-E6124111 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
UL Certificate (20S16 - 90)	E201187, E161256C
Code of Protection	Class I Div 1,2, Groups A,B,C,D, Class II Div 1,2, Groups E,F,G
Compliance Standards	UL 2225, CSA C22.2 No 174, UK 514B, CSA C22.2 No 18, CSA C22.2 No 30
EAC Certificate	TC RU C-GB.Γ505.B00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68****
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Single / Served Wire Armor (SWA)***
Armor Clamping	Detachable Compound Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner Compound Barrier & Outer Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** Where the cable is permitted by code (NEC and/or CEC)
 **** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table

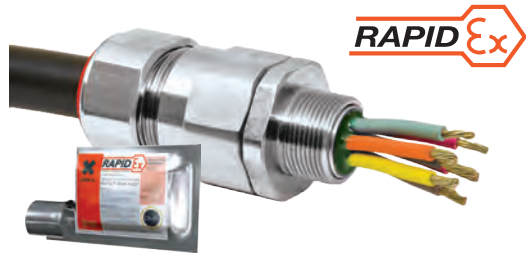
Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"			Armor Range †		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"				Min	Max	Min	Max	Min				Max	Max	Max		
20S16	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.52	0.03	0.05	1.20	1.32	2.44	20S16	PX2KW	1RA531	PVC06	8.47	
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.37	0.63	0.03	0.05	1.20	1.32	2.44	20S	PX2KW	1RA531	PVC06	8.11	
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.49	0.82	0.03	0.05	1.20	1.32	2.48	20	PX2KW	1RA531	PVC06	8.47	
25S	3/4"	1"	M25	0.80	21	0.69	0.70	0.55	0.87	0.05	0.06	1.48	1.62	2.74	25S	PX2KW	1RA532	PVC09	13.05	
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.72	1.03	0.05	0.06	1.48	1.62	2.74	25	PX2KW	1RA532	PVC09	13.05	
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.93	1.34	0.06	0.08	1.81	1.99	2.95	32	PX2KW	1RA533	PVC11	20.11	
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	1.10	1.59	0.06	0.08	2.17	2.38	2.95	40	PX2KW	1RA534	PVC15	28.22	
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.39	1.84	0.08	0.10	2.36	2.60	3.03	50S	PX2KW	1RA535	PVC18	31.75	
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.59	2.09	0.08	0.10	2.76	3.03	3.03	50	PX2KW	1RA536	PVC21	41.98	
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.80	2.34	0.08	0.10	2.95	3.25	3.14	63S	PX2KW	1RA536	PVC23	49.03	
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	2.15	2.59	0.08	0.10	3.15	3.47	3.16	63	PX2KW	1RA537	PVC25	49.74	
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.32	2.84	0.08	0.10	3.54	3.90	3.42	75S	PX2KW	1RA537	PVC28	73.72	
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.63	3.09	0.10	0.12	3.94	4.33	3.48	75	PX2KW	1RA538	PVC30	89.60	
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	3.00	3.56	0.12	0.16	4.53	4.98	4.02	90	PX2KW	1RA539	PVC32	130.87	
100	3 1/2"	4"	M100	1.73	200	3.37	3.38	3.39	3.99	0.12	0.16	5.00	5.50	4.49	100	PX2KW	1RA5310	LSF33	169.67	

* Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1" For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32PX2KW1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPX2KW1RA035 = Brass 1 1/2" NPT, 25PX2KW1RA432 = Stainless Steel 3/4" NPT, 20PX2KW1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



RAPIDEx

PX2KWREX



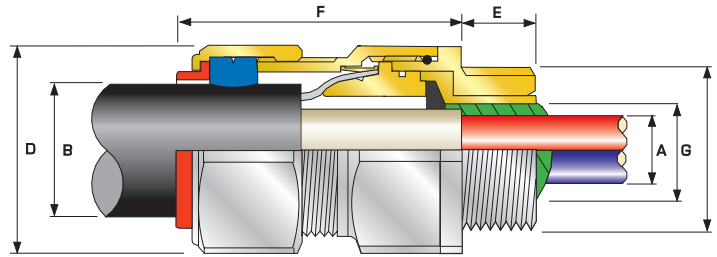
PX2KWREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Single / Served Wire Armored Cables

- RapidEx liquid pour sealing system
 - Enhances reliability, reduces risk
 - Reduces man hours
 - Reduces cost
- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Disconnectable, union feature design
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -76°F to 185°F
- Globally marked, cCSAus, IECEx & ATEX
- Superior EMC performance
- As standard in nickel plated brass with NPT thread form



Supplied in pack with RapidEx resin



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓜ II 2G, II 1D, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da Ⓜ II 3G Ex nR IIC Gc, ⓂIM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20S16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X; Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 2 Groups A, B, C and D; Class II, Div. 2 Groups F and G; Class III, Div. 2; Type 4X; Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN/CSA-E6124111 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
EAC Certificate	TC RU C-GB.Г505.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GY13.1140X / GY13.1282X
INMETRO Approval	TUV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66, IP67 & IP68****
Deluge Protection Compliance	DTS01 : 91
NEMA Rating**	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Resin Barrier
Cable Type	Single / Served Wire Armor (SWA)***
Armor Clamping	Detachable Resin Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner RapidEx Barrier Seal & Outer Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** Where the cable is permitted by code (NEC and/or CEC)
 **** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "C"	Overall Cable Diameter "B"		Armor Range †		Across Flats "D"		Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"				Min	Max	Min	Max	Max	Max			Size	Type	Ordering Suffix		
20S16	1/2"	3/4"	M20	0.78	11	0.461	0.46	0.24	0.52	0.03	0.05	1.20	1.32	2.44	20S16	PX2KWREX	1EX531	PVC06	8.47	
20S	1/2"	3/4"	M20	0.78	11	0.461	0.46	0.37	0.63	0.03	0.05	1.20	1.32	2.44	20S	PX2KWREX	1EX531	PVC06	8.11	
20	1/2"	3/4"	M20	0.78	11	0.496	0.51	0.49	0.82	0.03	0.05	1.20	1.32	2.48	20	PX2KWREX	1EX531	PVC06	8.47	
25S	3/4"	1"	M25	0.80	21	0.689	0.70	0.55	0.87	0.05	0.06	1.48	1.62	2.74	25S	PX2KWREX	1EX532	PVC09	13.05	
25	3/4"	1"	M25	0.80	21	0.689	0.70	0.72	1.03	0.05	0.06	1.48	1.62	2.74	25	PX2KWREX	1EX532	PVC09	13.05	
32	1"	1 1/4"	M32	0.98	38	0.929	0.94	0.93	1.34	0.06	0.08	1.81	1.99	2.95	32	PX2KWREX	1EX533	PVC11	20.11	
40	1 1/4"	1 1/2"	M40	1.01	59	1.181	1.19	1.10	1.59	0.06	0.08	2.17	2.38	2.95	40	PX2KWREX	1EX534	PVC15	28.22	
50S	1 1/2"	2"	M50	1.03	89	1.441	1.45	1.39	1.84	0.08	0.10	2.36	2.60	3.03	50S	PX2KWREX	1EX535	PVC18	31.75	
50	2"	2 1/2"	M50	1.06	89	1.614	1.63	1.59	2.09	0.08	0.10	2.76	3.03	3.03	50	PX2KWREX	1EX536	PVC21	41.98	
63S	2"	2 1/2"	M63	1.06	115	1.886	1.91	1.80	2.34	0.08	0.10	2.95	3.25	3.14	63S	PX2KWREX	1EX536	PVC23	49.03	
63	2 1/2"	3"	M63	1.57	115	2.114	2.13	2.15	2.59	0.08	0.10	3.15	3.47	3.16	63	PX2KWREX	1EX537	PVC25	49.74	
75S	2 1/2"	3"	M75	1.57	140	2.358	2.37	2.32	2.84	0.08	0.10	3.54	3.90	3.42	75S	PX2KWREX	1EX537	PVC28	73.72	
75	3"	3 1/2"	M75	1.63	140	2.528	2.53	2.63	3.09	0.10	0.12	3.94	4.33	3.48	75	PX2KWREX	1EX538	PVC30	89.60	
90	3 1/2"	4"	M90	1.69	200	2.965	2.98	3.00	3.56	0.12	0.16	4.53	4.98	4.02	90	PX2KWREX	1EX539	PVC32	130.87	
100	3 1/2"	4"	M100	1.73	200	3.370	3.38	3.39	3.99	0.12	0.16	5.00	5.50	4.49	100	PX2KWREX	1EX5310	LSF33	169.67	

*Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "S" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1" For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")
 Examples: 32PX2KWREX1RA534 = Nickel Plated Brass 1/4" NPT, 50SPX2KWREX1RA035 = Brass 1/2" NPT, 25PX2KWREX1RA432 = Stainless Steel 3/4" NPT, 20PX2KWREX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated