



Electroless Nickel Plated Brass

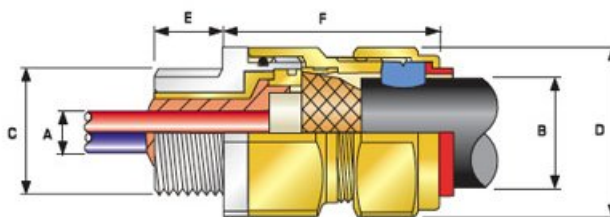
PX2KX Hazardous Location Cable Connector

CMP Type PX2KX Class I Division 1 ABCD Cable Connector for use with Armored & Jacketed cable providing a compound barrier seal around the cable conductors and an environmental seal on the cable outer jacket. In addition this cCSAus listed cable connector also offers Class I Zone 1, AEx d IIC, Ex d IIC certification.

All CMP Cable Connectors are EMC Tested.

The cable connector provides mechanical cable retention and electrical continuity via armor termination. A detachable armor cone and AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment, for maintenance and change out etc. This feature also facilitates remote make off procedures when the termination is to be conducted in confined spaces or in areas of restricted access.

The PX2KX cable connector offers Nema 4X and IP68 ingress protection and is supplied in Brass grade CuZn39Pb3 (CW614N) to EN12168 in Electroless Nickel Plated Brass as standard. The PX2KX is also IEC Ex Triple Certified Ex d, Ex e & Ex nR, offering a single solution that can be employed in accordance with both NEC and IEC codes of installation.



Cable Gland Selection Table

Cable Connector Size	Available Entry Threads "C"			Minimum Thread Length "C"		Diameter Over Conductors "A"	Number Of Cores	Overall Cable Diameter "B"		Armor Range +		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (NP Brass NPT)	PVC Shroud Ref*	Cable Connector Weight (Kgs)
	Standard NPT	Option		NPT	Metric	Max	Max	Min	Max	Min	Max	Max	Max				
		NPT	Metric														
20S/16	1/2"	3/4"	M20	16.0	15.0	12.6	11	6.1	11.5	0.0	1.0	30.5	33.3	58.5	20S16PX2KX1RA531	PVC06	0.200
20S	1/2"	3/4"	M20	16.0	15.0	12.6	11	9.5	15.9	0.0	1.0	30.5	33.3	58.5	20SPX2KX1RA531	PVC06	0.200
20	1/2"	3/4"	M20	16.0	15.0	12.6	21	12.5	20.9	0.0	1.0	30.5	33.3	60.5	20PX2KX1RA531	PVC06	0.230
25S	3/4"	1"	M25	17.0	15.0	17.5	38	14.0	22.0	0.0	1.0	37.5	40.5	67.5	25SPX2KX1RA532	PVC09	0.330
25	3/4"	1"	M25	17.0	15.0	17.5	38	18.2	26.2	0.0	1.0	37.5	40.5	67.5	25PX2KX1RA532	PVC09	0.330
32	1"	1 1/4"	M32	20.0	15.0	23.6	59	23.7	33.9	0.0	1.0	46.0	51.0	69.5	32PX2KX1RA533	PVC11	0.510
40	1 1/4"	1 1/2"	M40	20.0	15.0	30.0	89	27.9	40.4	0.0	1.0	55.0	61.0	78.0	40PX2KX1RA534	PVC15	0.720
50S	1 1/2"	2"	M50	20.0	15.0	36.6	115	35.2	46.7	0.0	1.0	60.0	66.5	75.5	50SPX2KX1RA535	PVC18	0.825
50	2"	2 1/2"	M50	23.0	15.0	41.0	115	40.4	53.1	0.0	1.0	70.0	78.6	80.5	50PX2KX1RA536	PVC21	0.860
63S	2"	2 1/2"	M63	23.0	15.0	47.9	140	45.6	59.4	0.0	1.0	75.0	83.2	91.5	63SPX2KX1RA536	PVC23	1.450
63	2 1/2"	3"	M63	25.0	15.0	53.7	140	54.6	65.9	0.0	1.0	80.0	89.0	92.0	63PX2KX1RA537	PVC25	1.600
75S	2 1/2"	3"	M75	25.0	15.0	59.9	140	59.0	72.1	0.0	1.0	89.0	101.6	99.0	75SPX2KX1RA587	PVC28	2.300
75	3"	3 1/2"	M75	36.0	15.0	64.3	140	66.7	78.5	0.0	1.0	99.0	111.1	102.0	75PX2KX1RA538	PVC30	3.050
90	3 1/2"	4"	M90	36.0	15.0	75.3	140	76.2	90.4	0.0	1.6	114.0	128.6	120.0	90PX2KX1RA539	PVC32	5.000

Dimensions are displayed in millimeters unless otherwise stated

Note: *CMP SOLO LSF Halogen Free Shrouds also available on request

Cable Connector Size	Available Entry Threads "C"			Minimum Thread Length "E"		Diameter Over Conductors "A"	Number Of Cores	Overall Cable Diameter "B"		Armor Range +		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (NP Brass NPT)	PVC Shroud Ref*	Cable Connector Weight (Ozs)
	Standard NPT	Option		NPT	Metric	Max	Max	Min	Max	Min	Max	Max	Max				
		NPT	Metric														
20S/16	1/2"	3/4"	M20	0.630	0.591	0.496	11	0.240	0.453	0.000	0.039	1.201	1.311	2.303	20S16PX2KX1RA531	PVC06	7.06
20S	1/2"	3/4"	M20	0.630	0.591	0.496	11	0.374	0.626	0.000	0.039	1.201	1.311	2.303	20SPX2KX1RA531	PVC06	7.06
20	1/2"	3/4"	M20	0.630	0.591	0.496	21	0.492	0.823	0.000	0.039	1.201	1.311	2.382	20PX2KX1RA531	PVC06	8.11
25S	3/4"	1"	M25	0.669	0.591	0.689	38	0.551	0.866	0.000	0.039	1.476	1.594	2.657	25SPX2KX1RA532	PVC09	11.64
25	3/4"	1"	M25	0.669	0.591	0.689	38	0.717	1.031	0.000	0.039	1.476	1.594	2.657	25PX2KX1RA532	PVC09	11.64
32	1"	1 1/4"	M32	0.787	0.591	0.929	59	0.933	1.335	0.000	0.039	1.811	2.008	2.736	32PX2KX1RA533	PVC11	17.99
40	1 1/4"	1 1/2"	M40	0.787	0.591	1.181	89	1.098	1.591	0.000	0.039	2.165	2.402	3.071	40PX2KX1RA534	PVC15	25.40
50S	1 1/2"	2"	M50	0.787	0.591	1.441	115	1.386	1.839	0.000	0.039	2.362	2.618	2.972	50SPX2KX1RA535	PVC18	29.10
50	2"	2 1/2"	M50	0.906	0.591	1.614	115	1.591	2.091	0.000	0.039	2.756	3.094	3.169	50PX2KX1RA536	PVC21	30.34
63S	2"	2 1/2"	M63	0.906	0.591	1.886	140	1.795	2.339	0.000	0.039	2.953	3.276	3.602	63SPX2KX1RA536	PVC23	51.15
63	2 1/2"	3"	M63	0.984	0.591	2.114	140	2.150	2.594	0.000	0.039	3.150	3.504	3.622	63PX2KX1RA537	PVC25	56.44
75S	2 1/2"	3"	M75	0.984	0.591	2.358	140	2.323	2.839	0.000	0.039	3.504	4.000	3.898	75SPX2KX1RA587	PVC28	81.13
75	3"	3 1/2"	M75	1.417	0.591	2.531	140	2.626	3.091	0.000	0.039	3.898	4.374	4.016	75PX2KX1RA538	PVC30	107.59
90	3 1/2"	4"	M90	1.417	0.591	2.965	140	3.000	3.559	0.000	0.063	4.488	5.063	4.724	90PX2KX1RA539	PVC32	176.37

Dimensions are displayed in inches unless otherwise stated

Note: *CMP SOLO LSF Halogen Free Shrouds also available on request



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TECHNICAL DATA

cCSAus Approval Certificate No.	2288626
cCSAus Code of Protection Category	Class I, Div. 1, 2, Groups A, B, C and D; Class II, Div. 1, Groups E, F, and G; Div. 2, Groups F and G; Class III, Div. 1, 2; Class I Zone 1 AEx d IIC / AEx e II
cCSAus Compliance Standards	CAN/CSA-C22.2 No 0-M91, CAN/CSA-C22.2 No 18-04, CAN/CSA-C22.2 No 25-1966 Locations, CAN/CSA-C22.2 No 30-M1986 Locations – Industrial Products, CAN/CSA-C22.2 No.174-M1984, CAN/CSA-C22.2 No.94-M91, CAN/CSA-E60079-0:07 General Requirements, CAN/CSA-E60079-7:07 Increase Safety “e”, CAN/CSA-E60079-1:07 Flameproof, CAN/CSA-E61241-1-1 Part 1-1, ANSI/UL 514B Edition 5, ANSI/UL 50 Edition 11, ANSI/UL 2225 Edition 4 Locations, UL60079-0:07 General Requirements, UL60079-7:07 Increase Safety “e”, UL60079-1:07 Flameproof
GOST R Certificate Number	POCC GB.HO06.B00207
GOST R Code of Protection Category	Ex d IIC / Ex e II / DIP A21 / Ex d I / Ex e I
GOST R Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005, ГОСТ МЭК 61241-1-1-99
GOST GGTN Permit	PPC 00-40706
GOST K Certificate Number	KZ 75000361 01 01 14761
RoK Permit For Use Number	19-02-UL-1957
Lloyds Approval No.	01/00172
DNV Approval No.	E-10496
ABS Approval No.	01-LD234401A/2-PDA
INMETRO Approval Certificate No.	AEX-10786-X
INMETRO Code of Protection Category	BR - Ex d IIC / BR - Ex e II - IP66
INMETRO Compliance Standards	ABNT NBR IEC 60079-0:2006, ABNT NBR IEC 60079-1:2007, IEC 60079-7:2001 e ABNT NBR IEC 60529:2005
NEPSI Certificate Number	GYJ081070
NEPSI Code of Protection Category	Ex d IIC, Ex e II, Ex nR II, DIP A21 TA
NEPSI Compliance Standards	GB3836.1/2/3-2000, GB3836.8-2003, GB12476.1-2000
RETIE Approval Number	03866
Type	PX2KX
Design Specification	UL 514B, UL 886, UL 2225, UL 60079-0, UL 60079-1, EN 50262:1999 , BS 6121:Part 1:1989
ATEX Certification Detail	SIRA06ATEX1097X , SIRA07ATEX4326X
ATEX Code of Protection Category	ATEX II 2 GD, Ex d IIC, Ex e II, Ex tD A21 IP66, ATEX III 3 G Ex nR, Equipment Zone 1, Zone 2, Zone 21 & Zone 22 – Gas Groups IIA, IIB, IIC; ATEX IM2, Ex d I, Ex e I
ATEX Compliance Standards	EN 60079-0, EN 60079-1, EN 60079-7, IEC 61241-0, EN 61241-1
IEC Ex Certification Detail	IECEx SIR 06.0044X
IEC Ex Code of Protection Category	Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66, Ex d I, Ex e I
IEC Ex Compliance Standards	IEC 60079-0, IEC 60079-1, IEC 60079-15, IEC 60079-7, IEC 61241-0, IEC 61241-1
Continuous Operating Temperature	-60°C to +100°C
Ingress Protection Rating	IP68, IP66, IP67
Ingress Protection Document	5046 C549F
Deluge Protection Compliance	DTS01 : 91
Deluge Protection Document	5046 C549F-D
Nema Rating	NEMA 4X
Cable Gland Material	Electroless Nickel Plated Brass, Brass, Stainless Steel, Aluminium
Seal Material	CMP SOLO LSF Thermoplastic Elastomer / Epoxy Resin Barrier Compound
Material Safety Data Sheet	Hardener / Resin
Cable Type	Armored & Jacketed
Armour Clamping	Detachable Compound Tube / Cone & AnyWay Universal Clamping Ring
Accessories	Adaptor/Reducer , Earth Tag , Locknut , Serrated Washer , Entry Thread Seal , Shroud

