

# PX2K Series Nickel Plated Brass Cable Glands

## Increased Safety and Flameproof

(Braids, Tape and Wire with Lead Sheath Version) with Compound Barrier Seal.

**NEC/CEC (Braid-Armor Cable, Armored Jacketed Marine Shipboard Cable):**  
 Class I, Division 1 and 2, Groups A, B, C, D  
 Class II, Division 1 and 2, Groups E, F, G  
 Class III  
 NEMA 4X

**ATEX/IECEX:**  
 Zone 1 and 2 – 21 and 22  
 II 2 GD  
 IP66/68 (10 m)

### Applications:

- Cable gland for all types of armored cables (braid, tape, wire and lead sheath version) certified for enclosures with the following protection modes:
  - Ex d flameproof IIB or IIC (as per §10.4.2 of IEC 60079-14) (Refer to the ATX Guide for Use of Electrical Products in Hazardous Locations)
  - Ex e increased safety.
  - Ex nR restricted breathing.
  - D dust environment.
- Hazardous areas (gas and dust).
- Onshore and offshore.

### Features

- Cable gland with compound barrier seal for use in hazardous areas with all types of armored cables (braid, tape and wire).
- The cable gland provides mechanical cable retention and earth continuity via cable armor termination.
- A combined detachable armor cone and compound tube, together with AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment.
- The cable gland is IP66/68 and complies with deluge protection tests.
- The cable gland is supplied with epoxy resin and two detachable armor cones.

### Standard Materials

- Body: nickel plated brass
- Epoxy resin barrier compound
- Seal: LSF (Low Smoke Fume) thermoplastic elastomer displacement outer seal

### Options

- 316L stainless steel version: replace last digit 5 with 4
- Lead sheath version: Replace **PX2K** with **PX2KPB**
- Copper-free aluminum: replace last digit 5 with 1
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

### NEC/CEC Certifications and Compliances

- UL Listed: E201187
- UL Standard: 2225
- CSA Standard: C22.2 No. 174
- cCSAus Certified: 101909

Cable Gland Size	Metric Thread C	Catalog Numbers				Optional NPT Thread ①	Maximum Cable Bedding Diameter mm (in) G	Minimum Thread Length mm (in) E
		Standard Metric ①	Standard NPT Thread C	Standard NPT ①	Optional NPT Thread C			
20S16	M20	2016PX2K5	1/2	2016PX2K0505	3/4	2016PX2K0755	11.8 (0.46)	15.0 (0.59)
20S	M20	20SPX2K5	1/2	20SPX2K0505	3/4	20SPX2K0755	11.8 (0.46)	15.0 (0.59)
20	M20	20PX2K5	1/2	20PX2K0505	3/4	20PX2K0755	13.5 (0.53)	15.0 (0.59)
25S	M25	25SPX2K5	3/4	25SPX2K0755	1	25SPX2K1005	19.5 (0.77)	15.0 (0.59)
25	M25	25PX2K5	3/4	25PX2K0755	1	25PX2K1005	19.5 (0.77)	15.0 (0.59)
32	M32	32PX2K5	1	32PX2K1005	1-1/4	32PX2K1255	25.8 (1.02)	15.0 (0.59)
40	M40	40PX2K5	1-1/4	40PX2K1255	1-1/2	40PX2K1505	32.3 (1.27)	15.0 (0.59)
50S	M50	50SPX2K5	1-1/2	50SPX2K1505	2	50SPX2K2005	38.3 (1.51)	15.0 (0.59)
50	M50	50PX2K5	2	50PX2K2005	2-1/2	50PX2K2505	44.2 (1.74)	15.0 (0.59)
63S	M63	63SPX2K5	2	63SPX2K2005	2-1/2	63SPX2K2505	50.1 (1.97)	15.0 (0.59)
63	M63	63PX2K5	2-1/2	63PX2K2505	3	63PX2K 3005	56.1 (2.21)	15.0 (0.59)
75S	M75	75SPX2K5	2-1/2	75SPX2K2505	3	75SPX2K3005	62.1 (2.44)	15.0 (0.59)
75	M75	75PX2K5	3	75PX2K3005	3-1/2	75PX2K3505	68.1 (2.68)	15.0 (0.59)
90	M90	90PX2K5	3	90PX2K3005	3-1/2	90PX2K3505	78.4 (3.09)	24.0 (0.94)
100	M100	100PX2K5	4	100PX2K4005	4	100PX2K5005	91.1 (3.59)	24.0 (0.94)

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

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 Class III  
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**ATEX/IECEX:**  
 Zone 1 and 2 – 21 and 22  
 Ex II 2 GD  
 IP66/68 (10 m)

### ATEX/IECEX Certifications and Compliances

- Certification Type PX2K
  - Gas: Zones 1 and 2
    - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - Dust: Zone 20
    - Type of Protection: Ex ta IIIC Da
- Conforming to ATEX 94/9/CE: Ⓢ II 2G 3G 1D
- Ambient Temperature: -60 °C to +85 °C (-76 °F to +185 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX1072X, Sira 13ATEX4078X
- IECEx Certificate: IECEx SIR 13.0027X, IECEx SIM 14.0008X
- Other Certifications: cCSAus, UL, KCC, CCOE/PESO (India)
- Marine Approval: LLOYDS, DNV, ABS
- Index of Protection according EN/IEC 60529: IP66, IP67, IP68
- Deluge Protection Compliance: DTS01:91

### INMETRO Certification

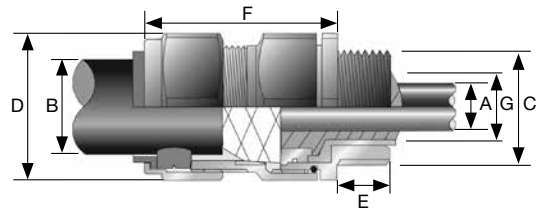
- INMETRO Certificate: TUV 12.2073X

### EURASEC Certification

- TC RU C-GB.ГБ05.В.00138



Dimensions in Millimeters (Inches)



Cable Gland Size	Maximum Diameter Over Conductors mm (in) A	Maximum Number of Cores mm (in)	Overall Cable Diameter mm (in) B		Across Flats mm (in) D	Across Corners mm (in) D	Protrusion Length mm (in) F	Optional PVC Shroud	Weight kg (oz)
			Min	Max					
20S16	12.6 (0.50)	11.0 (0.43)	6.1 (0.24)	11.5 (0.45)	30.5 (1.20)	33.6 (1.32)	58.5 (2.30)	PVC06	0.20 (7.05)
20S	12.6 (0.50)	11.0 (0.43)	9.5 (0.37)	15.9 (0.63)	30.5 (1.20)	33.6 (1.32)	58.5 (2.30)	PVC06	0.20 (7.05)
20	12.6 (0.50)	11.0 (0.43)	12.5 (0.49)	20.9 (0.82)	30.5 (1.20)	33.6 (1.32)	60.5 (2.38)	PVC06	0.23 (8.11)
25S	17.5 (0.69)	11.0 (0.43)	14.0 (0.55)	22.0 (0.87)	37.5 (1.48)	41.3 (1.63)	67.5 (2.66)	PVC09	0.33 (11.64)
25	17.5 (0.69)	21.0 (0.83)	18.2 (0.72)	26.2 (1.03)	37.5 (1.48)	41.3 (1.63)	67.5 (2.66)	PVC09	0.33 (11.64)
32	23.6 (0.93)	38.0 (1.50)	23.7 (0.93)	33.9 (1.33)	46.0 (1.81)	50.6 (1.99)	69.5 (2.74)	PVC11	0.51 (17.99)
40	30.0 (1.18)	38.0 (1.50)	27.9 (1.10)	40.4 (1.59)	55.0 (2.17)	60.5 (2.38)	78.0 (3.07)	PVC15	0.72 (25.40)
50S	36.6 (1.44)	59.0 (2.32)	35.2 (1.39)	46.7 (1.84)	60.0 (2.36)	66.0 (2.60)	75.5 (2.97)	PVC18	0.83 (29.10)
50	41.0 (1.61)	89.0 (3.50)	40.4 (1.59)	53.1 (2.09)	70.0 (2.76)	77.0 (3.03)	80.5 (3.17)	PVC21	0.86 (30.34)
63S	47.9 (1.89)	89.0 (3.50)	45.6 (1.80)	59.4 (2.34)	75.0 (2.95)	82.5 (3.25)	91.5 (3.6)	PVC23	1.45 (51.15)
63	53.7 (2.11)	115.0 (4.53)	54.6 (2.15)	65.9 (2.59)	80.0 (3.15)	88.0 (3.46)	92.0 (3.62)	PVC25	1.60 (56.44)
75S	59.8 (2.35)	115.0 (4.53)	59.0 (2.32)	72.1 (2.84)	89.0 (3.50)	97.9 (3.85)	99.0 (3.90)	PVC28	2.30 (81.13)
75	64.3 (2.53)	140.0 (5.51)	66.7 (2.63)	78.5 (3.09)	99.0 (3.90)	108.9 (4.29)	102.0 (4.02)	PVC30	3.05 (107.59)
90	75.3 (2.96)	140.0 (5.51)	76.2 (3.00)	90.4 (3.56)	114.0 (4.49)	125.4 (4.94)	120.0 (4.72)	PVC32	5.00 (176.37)
100	86.1 (3.39)	200.0 (7.87)	86.1 (3.39)	101.5 (4.00)	133.0 (5.24)	146.3 (5.76)	135.0 (5.31)	LSF33	6.00 (211.64)