

# PXSS2K Series Compound Barrier Type Cable Connector

## Flameproof

Unarmored, Tray, Shipboard and SO Type Cable.

### NEC/CEC:

Class I, Division 1 ①, Groups C, D  
Class I, Division 2, Groups A ②, B ②, C, D

### NEC/CEC:

Class II, Division 1 & 2, Groups E, F, G  
Class III  
NEMA 4X  
IP66, IP67, IP68

### ATEX/IECEx:

Zone 1  
Ex d IIC  
Ex e IIC  
Ex nR II, Ex tD  
IP66, IP67, IP68

### Applications

- Flame proof Class I cable connector suitable for unarmored, extra hard usage, tray (TC) and shipboard cables.

### Features

- Connector provides an environmental seal on the cable jacket and an explosionproof compound barrier seal around the cable inner cores.
- The connector is UL Listed for NPT or Metric entry threads.
- Continuous operating temperature -60 °C to +85 °C (-76 °F to +185 °F).
- Sealing technique - displacement seal concept. Sealing area(s) - inner compound barrier and outer sheath.

### Standard Materials

- Connector: brass fully nickel plated
- Seal: SOLO LSF (low smoke fumes) thermoplastic elastomer
- Epoxy putty.

### Options

- Aluminum: replace last digit suffix 5 with 1
- 316L stainless steel: replace last digit suffix 5 with 4
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

### NEC/CEC Certifications and Compliances

- UL Standard: 2225
- UL Listed: E161256
- CSA Standard: C22.2 No. 174
- cCSAus Certified: 101909

### ATEX/IECEx Certifications and Compliances

- Certification Type PXSS2K
  - 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)

Cable Gland Size	Metric Thread C	Thread Pitch (mm)	Catalog Numbers				Minimum Thread Length mm (in) E	Maximum Number of Cores	
			Standard Metric ③	Standard NPT Thread C	Standard NPT ③	Optional NPT Thread C			Optional NPT Thread ③
20S16	M20	1.5	20S16PX5	1/2	20S16PX0505	3/4	20S16PX0755	19.8 (0.78)	11
20S	M20	1.5	20SPX5	1/2	20SPX0505	3/4	20SPX0755	19.8 (0.78)	11
20	M20	1.5	20PX5	1/2	20PX0505	3/4	20PX0755	19.8 (0.78)	11
20L	M20	1.5	20LPX5	1/2	20LPX0505	3/4	20LPX0755	19.8 (0.78)	11
25	M25	1.5	25PX5	3/4	25PX0755	1	25PX1005	20.3 (0.8)	21
32	M32	1.5	32PX5	1	32PX1005	1-1/4	32PX1255	24.9 (0.98)	38
32L	M32	1.5	32LPX5	1	32LPX1005	1-1/4	32LPX1255	24.9 (0.98)	38
40	M40	1.5	40PX5	1-1/4	40PX1255	1-1/2	40PX1505	25.7 (1.01)	59
50S	M50	1.5	50SPX5	1-1/2	50SPX1505	2	50SPX2005	26.2 (1.03)	89
50	M50	1.5	50PX5	2	50PX2005	2-1/2	50PX2505	26.9 (1.06)	89
63S	M63	1.5	63SPX5	2	63SPX2005	2-1/2	63SPX2505	26.9 (1.06)	115
63	M63	1.5	63PX5	2-1/2	63PX2505	3	63PX3005	39.9 (1.57)	115
75S	M75	1.5	75SPX5	2-1/2	75SPX2505	3	75SPX3005	39.9 (1.57)	140
75	M75	1.5	75PX5	3	75PX3005	3-1/2	75PX3505	41.4 (1.63)	140
90	M90	2.0	90PX5	3	90PX3505	4	90PX4005	42.9 (1.69)	200
100	M100	2.0	100PX5	4	100PX4005	5	100PX5005	42.9 (1.69)	200

① Extra hard usage cord only.

② Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.

③ Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

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NEMA 4X  
IP66, IP67, IP68

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Zone 1  
Ex d IIC  
Ex e IIC  
Ex nR II, Ex tD  
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- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX10712X, Sira 13ATEX4078X
- IECEx Certificate: IECEx SIR 13.0027X
- 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

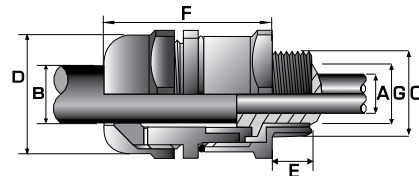
- INMETRO Certificate: TUV 12.2073X

### EURASEC Certification

- TC RU C-GB.Г505.B.00138



Dimensions in Millimeters (Inches)



Cable Gland Size	Maximum Diameter Over Conductors mm (in) A	Maximum Cable Bedding Diameter mm (in) G	Overall Cable Diameter mm (in) B		Across Flats mm (in) D	Across Corners mm (in) D	Nominal Protusion Length mm (in) F	Optional PVC Shroud	Cable Connector Weight kgs (oz)
			Min	Max					
20S16	8.6 (0.34)	8.6 (0.34)	3.0 (0.12)	8.6 (0.34)	30.0 (1.18)	33.0 (1.30)	53.1 (2.09)	PVC06	0.2 (7.06)
20S	11.7 (0.46)	11.7 (0.46)	6.1 (0.24)	11.7 (0.46)	30.0 (1.18)	33.0 (1.30)	53.1 (2.09)	PVC06	0.2 (7.06)
20	12.7 (0.50)	13.0 (0.51)	6.6 (0.26)	14.0 (0.55)	30.0 (1.18)	33.0 (1.30)	54.1 (2.13)	PVC06	0.2 (7.06)
20L	12.7 (0.50)	13.0 (0.51)	9.9 (0.39)	16.0 (0.63)	30.0 (1.18)	33.0 (1.30)	54.1 (2.13)	PVC06	0.2 (7.06)
25	17.5 (0.69)	17.8 (0.70)	11.2 (0.44)	20.1 (0.79)	36.1 (1.42)	39.6 (1.56)	59.9 (2.36)	PVC09	0.3 (11.64)
32	23.6 (0.93)	23.9 (0.94)	17.0 (0.67)	26.4 (1.04)	40.9 (1.61)	45.2 (1.78)	61.2 (2.41)	PVC10	0.4 (13.76)
32L	23.6 (0.93)	23.9 (0.94)	20.1 (0.79)	27.4 (1.08)	40.9 (1.61)	45.2 (1.78)	61.2 (2.41)	PVC10	0.4 (13.76)
40	30.0 (1.18)	30.2 (1.19)	22.1 (0.87)	32.0 (1.26)	50.0 (1.97)	55.1 (2.17)	62.5 (2.46)	PVC13	0.6 (19.75)
50S	36.6 (1.44)	36.8 (1.45)	29.5 (1.16)	38.1 (1.5)	55.1 (2.17)	60.5 (2.38)	65.3 (2.57)	PVC15	0.7 (23.28)
50	40.9 (1.61)	41.4 (1.63)	35.6 (1.40)	43.9 (1.73)	59.9 (2.36)	66.0 (2.60)	67.6 (2.66)	PVC18	0.7 (25.75)
63S	48.0 (1.89)	48.5 (1.91)	40.1 (1.58)	50.0 (1.97)	70.1 (2.76)	77.0 (3.03)	71.1 (2.80)	PVC21	1.1 (37.74)
63	53.6 (2.11)	54.1 (2.13)	47.2 (1.86)	55.9 (2.20)	74.9 (2.95)	82.6 (3.25)	70.4 (2.77)	PVC23	1.1 (37.39)
75S	59.9 (2.36)	60.2 (2.37)	52.8 (2.08)	62.0 (2.44)	80.0 (3.15)	88.1 (3.47)	75.4 (2.97)	PVC25	1.3 (45.86)
75	64.3 (2.53)	64.3 (2.53)	59.2 (2.33)	67.8 (2.67)	85.1 (3.35)	93.5 (3.68)	74.9 (2.95)	PVC27	1.3 (45.86)
90	75.2 (2.96)	75.7 (2.98)	66.5 (2.62)	79.5 (3.13)	108.0 (4.25)	118.9 (4.68)	94.7 (3.73)	PVC31	3.0 (106.53)
100	85.6 (3.37)	85.9 (3.38)	75.9 (2.99)	90.9 (3.58)	122.9 (4.84)	135.4 (5.33)	86.4 (3.40)	LSF33	4.0 (141.1)

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