

PX (PXSS2K) Series Compound Barrier Type Cable Connector

Increased Safety, Flameproof, Restricted Breathing and Dust Locations
For Unarmoured Cables.

NEC/CEC: Class II, Division 1 and 2, Groups E, F, G | Class III, Division 1 and 2 | Type 4X: Oil Resistant II
ATEX/IECEx : Zones 1 and 2 – 20
Notable: UKEX, INMETRO, EAC Certified

Applications

- Flameproof, Class I cable connector suitable for unarmored, extra hard usage, tray (TC) and shipboard cables.
- Certified for enclosures with the following protection modes:
 - Ex d: flameproof IIB or IIC
 - Ex e: increased safety.
 - Ex nR: restricted breathing.
 - Ex d: flameproof.
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features

- Connector provides an environmental seal on the cable jacket and an explosionproof compound barrier seal around the cable inner cores.

Standard Materials

- Connector: brass fully nickel plated
- Outer seal nut: consists of an elastomeric seal and nylon skid washer
- 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: UL 2225, UL 514B, UL 60079-0, UL 60079-7
- UL Listed: E201187, E161256, E253914
- CSA Standard: C22.2 No 0, 18, 25, 30, 174, 94
- cCSAus Certified: 2288626

ATEX/IECEx Certifications and Compliances

- Certification Type: Type PX**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
- Conforming to ATEX 2014/34/EU: Ⓢ II 2G 3D
- Ambient Temperature: -60 °C to +85 °C (-76 °F to +185 °F)

Cable Gland Size	Catalog Numbers						Maximum Number of Cores
	Metric Thread C	Standard Metric ①	Standard NPT Thread C	Standard NPT ①	Optional NPT Thread C	Optional NPT Thread ①	
20S16	M20	2016PX5	1/2	2016PX0505	3/4	2016PX0755	21
20S	M20	20SPX5	1/2	20SPX0505	3/4	20SPX0755	21
20	M20	20PX5	1/2	20PX0505	3/4	20PX0755	21
20L	M21	20LPX5	1/2	20LPX0505	3/4	20LPX0755	21
25	M25	25PX5	3/4	25PX0755	1	25PX1005	30
32	M32	32PX5	1	32PX1005	1-1/4	32PX1255	38
32L	M32	32LPX5	1	32LPX1005	1-1/4	32LPX1255	38
40	M40	40PX5	1-1/4	40PX1255	1-1/2	40PX1505	59
50S	M50	50SPX5	1-1/2	50SPX1505	2	50SPX2005	89
50	M50	50PX5	2	50PX2005	2-1/2	50PX2505	115
63S	M63	63SPX5	2	63SPX2005	2-1/2	63SPX2505	115
63	M63	63PX5	2-1/2	63PX2505	3	63PX3005	115
75S	M75	75SPX5	2-1/2	75SPX2505	3	75SPX3005	140
75	M75	75PX5	3	75PX3005	3.5	75PX3505	140
90	M90	90PX5	3-1/2	90PX3505	4	90PX4005	140

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

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- ATEX Certificate: CML 18ATEX1325X, CML 18ATEX4317X
- IECEX Certificate: IECEX CML 18.0182X
- Index of Protection according EN/IEC 60529: IP66, IP67, IP68
- Deluge Protection Compliance: DTS01:91

UKEX Certifications

- UKEX Certificates: CML 21UKEX1214X, CML 21UKEX4215X

INMETRO Certifications

- INMETRO Certificate: TUV 12.2073X, for INMETRO marking, add B after PX. Example: 20PXB5

EAC Certifications

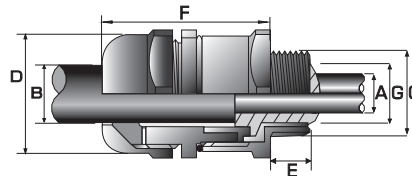
- EAC Certificate: C-GB.A07.B.04595/22; for EAC marking, add U after PX. Example: 20PXU5

Other Certifications

- KCs, CCC, CCOE/PESO (India), ECAS (UAE), UkrSEPRO (Ukraine)
- Marine Approval: LLOYDS, DNV, ABS



Dimensions in Millimeters (Inches)



Cable Gland Size	Thread Length mm (in) E		Cable Bedding mm (in) A		Overall Cable Diameter mm (in) B		Across Flats (mm (in) D Max.	Across Corners (mm (in) D Max.	Nominal Protrusion Length (mm (in) F	Optional PVC Shroud	Weight (kg (oz)
	Metric	NPT	Metric	NPT	Min.	Max.					
20S16	15.0 (0.59)	19.9 (0.78)	8.6 (0.34)	8.60 (0.34)	6.1 (0.24)	13.1 (0.52)	30.0 (1.18)	33.0 (1.30)	53.1 (2.09)	PVC06	0.20 (7.06)
20S	15.0 (0.59)	19.9 (0.78)	11.7 (0.46)	11.70 (0.46)	9.5 (0.37)	15.9 (0.63)	30.0 (1.18)	33.0 (1.30)	53.1 (2.09)	PVC06	0.20 (7.06)
20	15.0 (0.59)	19.9 (0.78)	12.6 (0.50)	12.90 (0.50)	12.5 (0.49)	20.9 (0.82)	30.0 (1.18)	33.0 (1.30)	54.2 (2.13)	PVC06	0.20 (7.06)
20L	15.0 (0.59)	19.9 (0.78)	12.6 (0.50)	12.90 (0.50)	14.0 (0.55)	22.0 (0.87)	30.0 (1.18)	33.0 (1.30)	54.2 (2.13)	PVC06	0.20 (7.06)
25	15.0 (0.59)	20.2 (0.80)	17.5 (0.69)	17.90 (0.69)	18.2 (0.72)	26.2 (1.03)	36.0 (1.42)	39.6 (1.56)	60.0 (2.36)	PVC09	0.33 (11.64)
32	15.0 (0.59)	25.0 (0.98)	23.6 (0.93)	23.90 (0.93)	23.7 (0.93)	33.9 (1.33)	41.0 (1.62)	45.1 (1.78)	61.1 (2.41)	PVC10	0.39 (13.76)
32L	15.0 (0.59)	25.0 (0.98)	23.6 (0.93)	23.90 (0.93)	27.9 (1.10)	40.4 (1.59)	41.0 (1.62)	45.1 (1.78)	61.1 (2.41)	PVC10	0.39 (13.76)
40	15.0 (0.59)	25.6 (1.01)	30.0 (1.18)	30.30 (1.18)	35.2 (1.39)	46.7 (1.84)	50.0 (1.97)	55.0 (2.17)	62.4 (2.46)	PVC13	0.56 (19.75)
50S	15.0 (0.59)	26.1 (1.03)	36.6 (1.44)	36.90 (1.44)	40.4 (1.59)	53.0 (2.09)	55.0 (2.17)	60.5 (2.38)	65.2 (2.57)	PVC15	0.66 (23.28)
50	15.0 (0.59)	26.9 (1.06)	41.0 (1.61)	41.30 (1.61)	45.6 (1.80)	59.4 (2.34)	60.0 (2.36)	66.0 (2.60)	67.6 (2.66)	PVC18	0.73 (25.75)
63S	15.0 (0.59)	26.9 (1.06)	47.9 (1.89)	48.40 (1.89)	54.6 (2.15)	65.8 (2.59)	70.0 (2.76)	77.0 (3.03)	71.1 (2.80)	PVC21	1.07 (37.74)
63	15.0 (0.59)	39.9 (1.57)	53.7 (2.11)	54.00 (2.11)	59.0 (2.32)	72.0 (2.83)	75.0 (2.96)	82.5 (3.25)	70.4 (2.77)	PVC23	1.06 (37.39)
75S	15.0 (0.59)	39.9 (1.57)	59.9 (2.36)	60.20 (2.36)	66.7 (2.63)	78.4 (3.09)	80.0 (3.15)	88.0 (3.47)	75.3 (2.97)	PVC25	1.30 (45.86)
75	15.0 (0.59)	41.5 (1.63)	64.3 (2.53)	64.20 (2.53)	76.2 (3.00)	90.3 (3.56)	85.0 (3.35)	93.5 (3.68)	74.9 (2.95)	PVC27	1.30 (45.86)
90	20.0 (0.79)	42.8 (1.69)	75.3 (2.96)	75.60 (2.96)	86.1 (3.39)	101.4 (3.99)	108.0 (4.26)	118.8 (4.68)	94.8 (3.73)	PVC31	3.02 (106.53)

Hazardous Location Fittings