

PXSS2K-REX Series Liquid Resin Barrier Type Cable Connector

Flameproof

Unarmored, Tray, Shipboard and SO Type Cable.

NEC/CEC:

Class I, Division 1, Groups C, D
Class I, Division 2, Groups A ①, B ①, C, D
Class II, Division 2, Groups F, G

NEC/CEC:

Class I, Zone 1 and 2
NEMA 4X
IP66, IP67, IP68

ATEX/IECEx:

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

Appleton

HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF AND ATEX/IECEx FLAMEPROOF CABLE GLANDS

Applications

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

Features

- Utilizes RapidEx high speed liquid resin sealing compound included with each gland.
- The gland utilizes a liquid pour resin seal that vastly reduces installation time and associated costs. This solution is particularly effective on multicore cables where traditional compound is difficult and time consuming to apply.
- Connector provides an environmental seal on the cable jacket and an explosionproof liquid resin barrier seal around the cable inner cores.
- Continuous operating temperature -60 °C to +100 °C (-76 °F to +212 °F).
- Sealing technique - displacement seal concept. Sealing area(s) - inner liquid resin barrier and outer sheath.

Standard Materials

- Connector: brass fully nickel plated
- Seal: SOLO LSF (low smoke fumes) thermoplastic elastomer
- High speed liquid resin sealing compound.

Options

- Aluminum: replace last digit 5 with 1
- 316L stainless steel: replace last digit 5 with 4 (available by quote only)
- 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
- CSA Standard: C22.2 No. 174
- cCSAus Certified: 101909

Cable Gland Size	Metric Thread C	Thread Pitch (mm)	Standard Metric ②	Standard NPT Thread C	Standard NPT ②	Optional NPT Thread C	Optional NPT ②	Replacement Sealing Resin	Maximum Diameter Over Conductors mm (in) A
20S/16	M20	1.5	2016SPXREX5X	1/2	20S16PXREX0505X	3/4	20S16PXREX0755X	RAPIDEX30	12.6 (0.50)
20S	M20	1.5	20SPXREX5X	1/2	20SPXREX0505X	3/4	20SPXREX0755X	RAPIDEX30	12.6 (0.50)
20	M20	1.5	20PXREX5X	1/2	20PXREX0505X	3/4	20PXREX0755X	RAPIDEX30	12.6 (0.50)
20L	M20	1.5	20LPXREX5X	1/2	20LPXREX0505X	3/4	20LPXREX0755X	RAPIDEX30	12.6 (0.50)
25	M25	1.5	25PXREX5X	3/4	25PXREX0755X	1	25PXREX1005X	RAPIDEX30	17.5 (0.69)
32	M32	1.5	32PXREX5X	1	32PXREX1005X	1-1/4	32PXREX1255X	RAPIDEX30	23.6 (0.93)
32L	M32	1.5	32LPXREX5X	1	32LPXREX1005X	1-1/4	32LPXREX1255X	RAPIDEX30	23.6 (0.93)
40	M40	1.5	40PXREX5X	1-1/4	40PXREX1255X	1-1/2	40PXREX1505X	RAPIDEX30	30.0 (1.18)
50S	M50	1.5	50SPXREX5X	1-1/2	50SPXREX1505X	2	50SPXREX2005X	RAPIDEX80	36.6 (1.44)
50	M50	1.5	50PXREX5X	2	50PXREX2005X	2-1/2	50PXREX2505X	RAPIDEX80	41.0 (1.61)
63S	M63	1.5	63SPXREX5X	2	63SPXREX2005X	2-1/2	63SPXREX2505X	2RAPIDEX80	47.9 (1.89)
63	M63	1.5	63PXREX5X	2	63PXREX2005X	2-1/2	63PXREX2505X	2RAPIDEX80	53.7 (2.11)
75S	M75	1.5	75SPXREX5X	2-1/2	75SPXREX2505X	3	75SPXREX3005X	3RAPIDEX80	59.9 (2.36)
75	M75	1.5	75PXREX5X	3	75PXREX3005X	3-1/2	75PXREX3505X	3RAPIDEX80	64.3 (2.53)
90	M90	2.0	90PXREX5X	3-1/2	90PXREX3505X	4	90PXREX4005X	3RAPIDEX80	75.3 (2.96)

① Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.

② Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

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 Class II, Division 2, Groups F, G

NEC/CEC:

Class I, Zone 1
 NEMA 4X
 IP66, IP67, IP68

ATEX/IECEX:

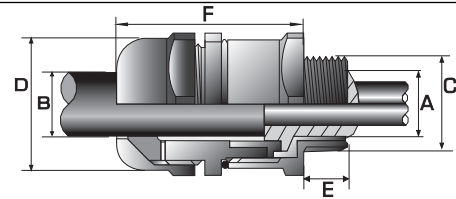
Zone 1
 Ex d IIC
 Ex e II
 Ex nR II, Ex tD
 IP66, IP67, IP68

ATEX/IECEX Certifications and Compliances

- Certification Type PXSS2K-REX
 - 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, CCOE/PESO (India)
- Marine Approval: LLOYDS, DNV, ABS
- Index of Protection according EN/IEC 60529: IP66, IP67, IP68
- Deluge Protection Compliance: DTS01:91



Dimensions in Millimeters (Inches)



INMETRO Certification

- INMETRO Certificate: TUV 12.2073X

EURASEC Certification

- TC RU C-GB.Г505.B.00138

Cable Gland Size	Maximum Cable Bedding Diameter mm (in) G	Minimum Thread Length mm (in) E	Cable Bedding 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					
20S/16	13.0 (0.51)	15.0 (0.59)	3.2 (0.13)	8.7 (0.34)	30.5 (1.20)	30.5 (1.20)	58.5 (2.30)	PVC04	0.20 (7.05)
20S	13.0 (0.51)	15.0 (0.59)	6.1 (0.24)	11.7 (0.46)	30.5 (1.20)	30.5 (1.20)	58.5 (2.30)	PVC04	0.20 (7.05)
20	13.0 (0.51)	15.0 (0.59)	6.5 (0.26)	14.0 (0.55)	30.5 (1.20)	30.5 (1.20)	60.5 (2.38)	PVC05	0.25 (8.82)
20L	14.1 (0.56)	15 (0.59)	9.9 (0.39)	16.0 (0.63)	30.5 (1.20)	33.6 (1.30)	60.5 (2.38)	PVC05	0.20 (7.09)
25	18.0 (0.71)	15.0 (0.59)	11.1 (0.44)	20.0 (0.79)	37.5 (1.48)	37.5 (1.48)	67.5 (2.66)	PVC09	0.40 (14.22)
32	24.0 (0.94)	15.0 (0.59)	17.0 (0.67)	26.3 (1.04)	45.5 (1.79)	45.5 (1.79)	69.5 (2.74)	PVC10	0.56 (19.58)
32L	26.4 (1.04)	15 (0.59)	20.0 (0.79)	27.4 (1.08)	46.0 (1.81)	50.6 (1.99)	69.5 (2.74)	PVC10	0.45 (15.75)
40	30.4 (1.2)	15.0 (0.59)	22.0 (0.87)	32.1 (1.26)	55.0 (2.17)	55.0 (2.17)	78.0 (3.07)	PVC13	0.60 (21.16)
50S	37.0 (1.46)	15.0 (0.59)	29.5 (1.16)	38.2 (1.50)	60.0 (2.36)	60.0 (2.36)	60.0 (2.36)	PVC15	0.61 (21.34)
50	41.4 (1.63)	15 (0.59)	35.6 (1.40)	44.1 (1.74)	70.0 (2.76)	70.0 (2.76)	80.5 (3.17)	PVC18	0.62 (21.87)
63S	48.5 (1.91)	15.0 (0.59)	40.1 (1.58)	50.1 (1.97)	75.0 (2.95)	75.0 (2.95)	91.5 (3.60)	PVC21	0.71 (24.87)
63	54.2 (2.13)	15.0 (0.59)	47.2 (1.86)	56.0 (2.2)	80.0 (3.15)	80.0 (3.15)	92.0 (3.62)	PVC23	0.73 (25.75)
75S	60.3 (2.37)	15 (0.59)	52.8 (2.08)	62.0 (2.44)	89.0 (3.50)	89.0 (3.50)	99.0 (3.90)	PVC24	1.15 (40.57)
75	64.7 (2.55)	20.0 (0.79)	59.1 (2.33)	68.0 (2.68)	99.0 (3.90)	99.0 (3.90)	102.0 (4.02)	PVC26	1.15 (40.57)
90	75.7 (2.98)	20.0 (0.79)	66.6 (2.62)	80.0 (3.15)	114.0 (4.49)	114.0 (4.49)	120.0 (4.72)	PVC31	2.70 (95.24)

① Increased thread engagement is required for gas groups A and B. Please specify gas group, thread form and size when ordering.