



SS2KPB

Ex e Ex d Ex nR Ex ta

SS2KPB Double Seal, Internationally Approved, Explosive Atmosphere Cable Gland

For all types of Lead Sheathed Unarmoured Cables

- Effectively earths / grounds lead sheathed cables
- Direct & remote installation
- Superior levels of cable retention
- Displacement type flameproof seals
- Secure against self-loosening
- 60°C to +130°C
- Internationally marked, IECEx & ATEX



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	CML 18ATEX1322X, CML 18ATEX4314X
Code of Protection	⊕ II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da ⊕ II 3G Ex nR IIC Gc, ⊕ IM2 Ex db I Mb, Ex eb I Mb
Compliance Standards	EN 60079-0, 1, 7, 15, 31
IECEx Certificate	IECEx CML 18.0178X, IECEx SIM 14.0006
Code of Protection	Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex db I Mb, Ex eb I Mb
Compliance Standards	IEC 60079-0, 1, 7, 15, 31
EAC Certificate	TC RU C-GB.AA87.B.00487
UkrSEPRO	UA.TR.047.C.0644-15
NEPSI Certificate	GYJ18.1250X
CCOE / PESO (India) Certificate	P333688
INMETRO Approval	TÜV 12.0879X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172, DNV: TAE000000Y, ABS: 14-LD234401A-4-PDA, BV: 43180 A1 BV
Ingress Protection Rating**	IP66, IP67 & IP68***
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Unarmoured & Lead Sheathed, Lead Covered
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Cable Inner Lead Sheath or Lead Covering and Cable Outer Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

*** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table

Refer to illustration at the top of the page.

Dimensions listed below are for metric cable glands only
Dimensions for alternative threads may vary, please see supplementary technical data sheet

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)					Diameter over Lead Sheath "A"		Overall Cable Diameter "B"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard				Option								Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric)"E"	NPT	Thread Length (NPT)"E"	NPT	Min	Max	Min	Max	Max	Max						
20S16	M20	15.0	½"	19.9	¾"	3.2	7.8	3.2	8.6	24.0	26.4	49.5	20S16	SS2KPB	1RA	PVC04	0.14
20S	M20	15.0	½"	19.9	¾"	6.1	11.0	6.1	11.7	24.0	26.4	49.5	20S	SS2KPB	1RA	PVC04	0.13
20	M20	15.0	½"	19.9	¾"	6.5	13.4	6.5	14.0	27.0	29.7	54.5	20	SS2KPB	1RA	PVC05	0.16
25	M25	15.0	¾"	20.2	1"	11.1	19.3	11.1	20.0	36.0	39.6	66.5	25	SS2KPB	1RA	PVC09	0.30
32	M32	15.0	1"	25.0	1 ¼"	17.0	25.5	17.0	26.3	41.0	45.1	67.5	32	SS2KPB	1RA	PVC10	0.36
40	M40	15.0	1 ¼"	25.6	1 ½"	23.5	31.2	23.5	32.1	50.0	55.0	70.5	40	SS2KPB	1RA	PVC13	0.51
50S	M50	15.0	1 ½"	26.1	2"	31.0	37.2	31.0	38.2	55.0	60.5	65.5	50S	SS2KPB	1RA	PVC15	0.57
50	M50	15.0	2"	26.9	2 ½"	35.6	42.6	35.6	44.0	60.0	66.0	70.5	50	SS2KPB	1RA	PVC18	0.60
63S	M63	15.0	2"	26.9	2 ½"	41.5	48.5	41.5	49.9	70.5	77.6	70.5	63S	SS2KPB	1RA	PVC21	0.90
63	M63	15.0	2 ½"	39.9	3"	47.2	54.2	47.2	55.9	75.0	82.5	71.5	63	SS2KPB	1RA	PVC23	0.86
75S	M75	15.0	2 ½"	39.9	3"	54.0	60.2	54.0	61.9	80.0	88.0	70.5	75S	SS2KPB	1RA	PVC25	1.03
75	M75	15.0	3"	41.5	3 ½"	61.1	65.2	61.1	67.9	84.0	92.4	75.5	75	SS2KPB	1RA	PVC26	1.00
90	M90	24.0	3 ½"	42.8	4"	66.6	77.1	66.6	79.4	108.0	118.8	113.5	90	SS2KPB	1RA	PVC31	3.01
100	M100	24.0	3 ½"	42.8	4"	76.0	88.1	76.0	90.9	123.0	134.2	106.5	100	SS2KPB	1RA	LSF33	3.41
115	M115	24.0	4"	44.0	5"	86.0	94.1	86.0	97.9	133.4	146.7	128.5	115	SS2KPB	1RA	LSF34	5.35
130	M130	24.0	5"	46.8	-	97.0	110.1	97.0	114.9	152.4	167.6	129.5	130	SS2KPB	1RA	LSF35	6.39

*For material options add the following suffix to the Ordering Reference: Brass (no suffix required); Nickel Plated Brass 'S'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'
For NPT options add the following digits to the material suffix; 1/2" = 31; 3/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/2" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32SS2KPB1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SS2KPB1RA035 = Brass 1 1/2" NPT, 25SS2KPB1RA432 = Stainless Steel 3/4" NPT, 20SS2KPB1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated