



Mining Group I Cable Glands

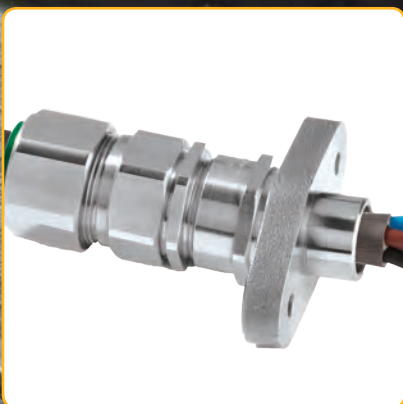
CMP Products' Underground Mining Group I cable gland range accommodates all forms of cable used in mining locations.

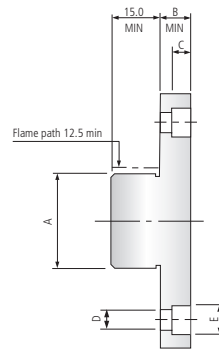
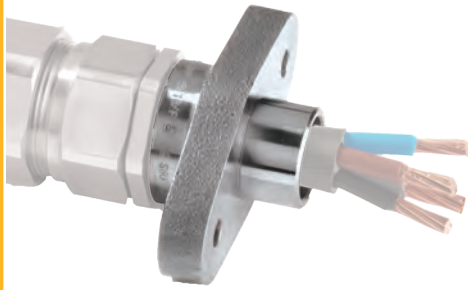
The Group I Certified range of Cable Glands provide both the installer and OEM with the choice of using either a threaded entry Cable Gland or a flange mounted version; both being suitable for direct entry into the equipment.

Where a threaded entry is provided in the equipment and a flanged mounted gland either already exists or is preferred, CMP can supply a suitable adaptor which will convert from a threaded entry to a flanged entry by use of a MA/TF adaptor.

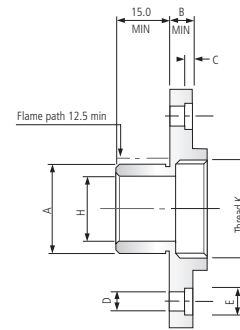
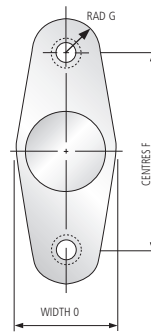
For installations using non-filled cables, Barrier Cable Glands are available and provide a compound barrier seal around the conductors and an environmental seal on the cable outer sheath. Again these are available for all cable types and can be supplied with either a threaded or flanged entry.

All Cable Glands shown in Nickel Plated Brass, alternative materials are available.

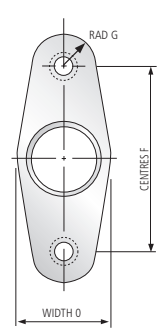




MA/B



MA/FT



MA/FT

MA/B

MA/FT & MA/B Mining Flanged Adaptor

- Provides a conversion from spigot entry to a threaded entry
- Provides a thread size conversion if required



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
ATEX Certification	SIRA09ATEX1034U (MA/FT), SIRA09ATEX1035U (MA/B)
Code of Protection	IM2 Ex d I Mb
Compliance Standards	EN 60079-0,1
IECEx Certificate	IECEx SIR.09.0025U (MA/B) IECEx SIR.09.0024U (MA/FT)
Code of Protection	Ex d I Mb
Compliance Standards	IEC 60079-0,1
Ingress Protection Rating	Dependent on Cable Gland
Material	Brass, Nickel plated Brass, Stainless Steel

Cable Gland Selection Table

Refer to illustration at the top of the page.

Adaptor Size	Bore Diameter "H"	Length "B"	Thread Diameter "K"	Spigot Diameter "A"	Width "O"	Centres "F"	Diameter "D"	Diameter "E"	Bore Depth "C"	Radius "G"
20S	11.7	11.1	M20	19.05	27.0	44.45	6.6	11.5	7.0	12.7
20	14.0	11.1	M20	19.05	32.0	44.45	6.6	11.5	7.0	12.7
25S	20.2	11.1	M25	25.40	39.0	57.17	6.6	11.5	7.0	12.7
25	20.2	11.1	M25	25.40	39.0	57.17	6.6	11.5	7.0	12.7
32	26.5	12.7	M32	31.75	45.0	69.85	9.0	15.5	8.7	14.3
40	32.4	12.7	M40	38.10	52.0	82.55	9.0	15.5	8.7	14.3
50S	38.4	14.5	M50	50.80	58.0	95.25	11.0	19.0	10.5	17.5
50	44.3	14.5	M50	50.80	64.0	95.25	11.0	19.0	10.5	17.5
63S	50.3	14.5	M63	63.50	71.0	114.30	11.0	19.0	10.5	17.5
63	56.2	14.5	M63	63.50	76.0	114.30	11.0	19.0	10.5	17.5
75S	62.2	18.0	M75	76.20	83.0	127.00	14.0	21.0	13.5	17.5
75	68.2	18.0	M75	76.20	88.0	127.00	14.0	21.0	13.5	17.5

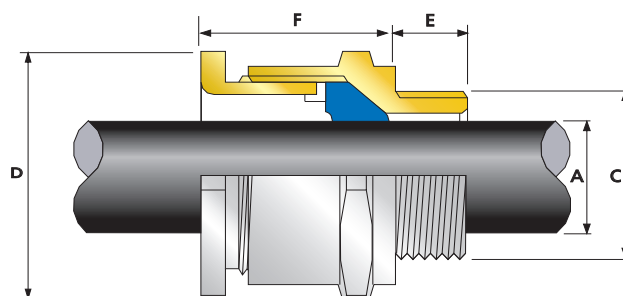
Dimensions are displayed in millimetres unless otherwise stated

**A2F/M**

A2F/M Mining, Internationally Approved, Explosive Atmosphere Cable Gland

For all types of Unarmoured Cables

- High quality durable materials
- Wide sealing range for each cable gland size
- Displacement type flameproof seal
- -60°C to +130°C
- Internationally marked, IECEx & ATEX



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444 (A2F/M Only)
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1068X
Code of Protection	Ⓔ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0023X, IECEx SIM 14.0006
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66, IP67 & IP68***
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Unarmoured
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	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.

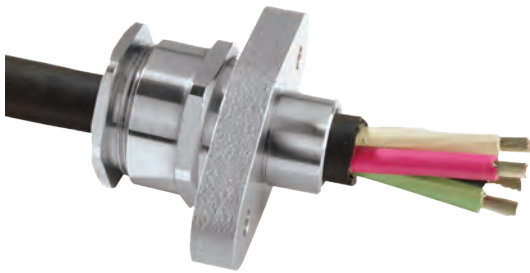
Dimensions listed below are for metric cable glands only
Dimensions for alternative threads may vary, please see supplementary technical data sheet

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)					Overall Cable Diameter "A"		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)	NPT	Min	Max	Max	Max						
20S16	M20	15.0	½"	19.9	¾"	3.2	8.7	24.0	26.4	25.1	20S16	A2F	1RA/M	PVC04	0.07
20S	M20	15.0	½"	19.9	¾"	6.1	11.7	24.0	26.4	25.1	20S	A2F	1RA/M	PVC04	0.06
20	M20	15.0	½"	19.9	¾"	6.5	14.0	27.0	29.7	27.2	20	A2F	1RA/M	PVC05	0.07
25	M25	15.0	¾"	20.2	1"	11.1	20.0	36.0	39.6	35.5	25	A2F	1RA/M	PVC09	0.13
32	M32	15.0	1"	25.0	1 ¼"	17.0	26.3	41.0	45.1	34.2	32	A2F	1RA/M	PVC10	0.15
40	M40	15.0	1 ¼"	25.6	1 ½"	23.5	32.2	50.0	55.0	35.1	40	A2F	1RA/M	PVC13	0.20
50S	M50	15.0	1 ½"	26.1	2"	31.0	38.2	55.0	60.5	32.0	50S	A2F	1RA/M	PVC15	0.26
50	M50	15.0	2"	26.9	2 ½"	35.6	44.0	60.0	66.0	36.3	50	A2F	1RA/M	PVC18	0.27
63S	M63	15.0	2"	26.9	2 ½"	41.5	49.9	70.5	77.6	33.5	63S	A2F	1RA/M	PVC21	0.43
63	M63	15.0	2 ½"	39.9	3"	47.2	55.9	75.0	82.5	35.8	63	A2F	1RA/M	PVC23	0.40
75S	M75	15.0	2 ½"	39.9	3"	54.0	61.9	80.0	88.0	34.2	75S	A2F	1RA/M	PVC24	0.52
75	M75	15.0	3"	41.5	3 ½"	61.1	67.9	84.0	92.4	40.6	75	A2F	1RA/M	PVC26	0.50
90	M90	24.0	3 ½"	42.8	4"	66.6	79.9	108.0	118.8	58.3	90	A2F	1RA/M	PVC31	1.60
100	M100	24.0	3 ½"	42.8	4"	76.0	91.0	123.0	135.3	55.2	100	A2F	1RA/M	LSF33	1.78
115	M115	24.0	4"	44.0	5"	86.0	97.9	133.4	146.7	65.2	115	A2F	1RA/M	LSF34	2.67
130	M130	24.0	5"	46.8	-	97.0	114.9	152.4	167.6	73.9	130	A2F	1RA/M	LSF35	3.80

*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; ½" = 31; ¾" = 32; 1" = 33; 1 ¼" = 34; 1 ½" = 35; 2" = 36; 2 ½" = 37; 3" = 38; 3 ½" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32A2F1RA/M534 = Nickel Plated Brass 1 ¼" NPT; 50SA2F1RA/M035 = Brass 1 ½" NPT; 25A2F1RA/M432 = Stainless Steel ¾" NPT; 20A2F1RA/M5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated



A2F/MF



A2F/MF Mining, Internationally Approved, Flanged Explosive Atmosphere Cable Gland

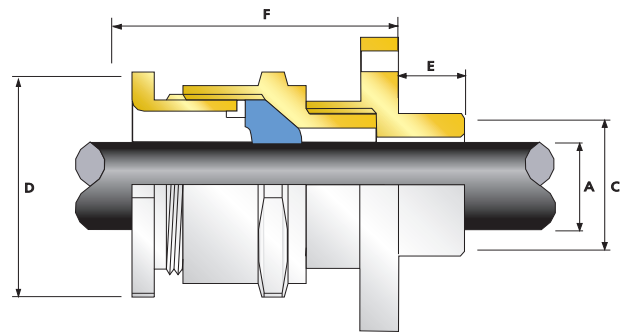
For all types of Unarmoured Cables

- Complete with flanged adaptor
- High quality durable materials
- Wide sealing range for each cable gland size
- Displacement type flameproof seal
- -60°C to +130°C
- Internationally marked, IECEx & ATEX



See MA/FT, MA/B page for flange mounting dimensions

Alternative flange sizes available upon request



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444 (A2F/M Only)
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1068X, SIRA09ATEX1034U
Code of Protection	Ⓜ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0023X, IECEx SIR 09.0024U, IECEx SIM 14.0006
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP67, IP66 & IP68***
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Unarmoured
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	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.

Cable Gland Size	Spigot Diameter "C"	Minimum Spigot Length "E"	Overall Cable Diameter "A"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
			Min	Max	Max	Max		Size	Type	Ordering Suffix	
20S	19.0	15.0	6.1	11.7	22.0	24.2	32.1	20S	A2F	1RA/MF	0.074
20	19.0	15.0	6.5	14.0	27.0	29.7	32.1	20	A2F	1RA/MF	0.079
25	25.4	15.0	11.1	20.0	36.0	39.6	35.1	25	A2F	1RA/MF	0.100
32	31.8	15.0	17.0	26.3	41.0	45.1	38.7	32	A2F	1RA/MF	0.438
40	38.1	15.0	23.5	32.2	46.0	50.6	39.7	40	A2F	1RA/MF	0.620
50S	50.8	15.0	31.0	38.2	55.0	60.5	42.5	50S	A2F	1RA/MF	0.730
50	50.8	15.0	35.6	44.0	60.0	66.0	43.5	50	A2F	1RA/MF	0.800
63S	63.5	15.0	41.5	49.9	65.0	71.5	44.5	63S	A2F	1RA/MF	1.040
63	63.5	15.0	47.2	55.9	70.0	77.0	44.5	63	A2F	1RA/MF	1.060
75S	76.2	15.0	54.0	61.9	84.0	92.4	48.0	75S	A2F	1RA/MF	1.220
75	76.2	15.0	61.1	67.9	84.0	92.4	50.0	75	A2F	1RA/MF	1.350

*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 please add the following digits to the material suffix; 1/8" = 31, 1/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39 (Brass requires prefix "0")

Examples: 32A2F1RA/MF534 = Nickel Plated Brass 1 1/4" NPT, 50SA2F1RA/MF035 = Brass 1 1/2" NPT, 25A2F1RA/MF432 = Stainless Steel 3/4" NPT, 20A2F1RA/MF5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

**A2F/HC**

A2F/HC Mining & Overground, Internationally Approved, Explosive Atmosphere Cable Gland

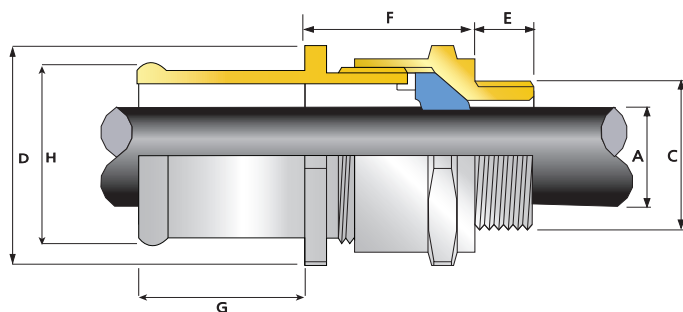
For all types of Unarmoured Cables housed in Flexible Hose

- Standard material nickel plated brass
- Suitable for QLD & NSW coal mining applications
- External Hose connection facility
- Approved for Group I & Group II
- High quality durable materials
- Wide sealing range for each cable gland size
- Displacement type flameproof seal
- -60°C to +130°C
- Internationally marked, IECEx & ATEX



Available for Group I & II use

Contact CMP for specific Group I & II Certification



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	SIRA13ATEX1068X, SIRA13ATEX4074X
Code of Protection	⊕ Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da (Group II) ⊕ Ex d I Mb, Ex e I Mb (Group I)
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0023X, IECEx SIM 14.0006
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da (Group II) Ex d I Mb, Ex e I Mb (Group I)
Compliance Standards	IEC 60079-0,1,7,15,31
EAC Certificate	TC C-GB. 05.B00138 (Group II)
KCC Certificate	13-GA4B0-0748X, 13-GA4B0-0749X, 13-GA4B0-0750X (Group II)
CCOE / PESO (India) Certificate	P333688 (Group II)
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X (Group II)
INMETRO Approval	TUV 12.0878X (Group II)
Ingress Protection Rating**	IP66, IP67 & IP68***
Deluge Protection Compliance	DTS01 : 91
Cable Gland Material	Electroless Nickel Plated Brass (standard), Stainless Steel, Aluminium
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Unarmoured & enclosed within hose for mechanical protection
Sealing Technique	CMP Displacement Seal
Sealing Area(s)	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	Hose Diameter "H"	Standard Metric Entry Threads "C"	Minimum Thread Length "E"	Overall Cable Diameter "A"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Hose Connection Length "G"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
				Min	Max	Max	Max			Size	Type	Ordering Suffix	
20S16	13.0	M20	15.0	3.2	8.7	24.0	26.4	26.6	16.0	20S16	A2FHC13	1RA	0.100
20S16	16.0	M20	15.0	3.2	8.7	24.0	26.4	26.6	16.0	20S16	A2FHC16	1RA	0.110
20S	16.0	M20	15.0	6.1	11.7	24.0	26.4	26.6	16.0	20S	A2FHC16	1RA	0.090
20	19.0	M20	15.0	6.5	14.0	27.0	29.7	29.0	20.0	20	A2FHC19	1RA	0.110
25	19.0	M25	15.0	11.1	20.0	36.0	39.6	37.3	20.0	25	A2FHC19	1RA	0.210
25	25.0	M25	15.0	11.1	20.0	36.0	39.6	37.3	27.0	25	A2FHC25	1RA	0.210
32	25.0	M32	15.0	17.0	26.3	41.0	45.1	36.2	27.0	32	A2FHC25	1RA	0.270
32	32.0	M32	15.0	17.0	26.3	41.0	45.1	36.2	33.0	32	A2FHC32	1RA	0.270
40	38.0	M40	15.0	23.5	32.2	50.0	55.0	36.6	41.0	40	A2FHC38	1RA	0.380
50S	51.0	M50	15.0	31.0	38.2	55.0	60.5	34.0	54.0	50S	A2FHC51	1RA	0.740
50	51.0	M50	15.0	35.6	44.0	60.0	66.0	37.8	54.0	50	A2FHC51	1RA	0.570
63S	63.0	M63	15.0	41.5	49.9	70.5	77.6	33.0	70.0	63S	A2FHC63	1RA	1.210
63	63.0	M63	15.0	47.2	55.9	75.0	84.0	36.5	70.0	63	A2FHC63	1RA	0.860
75S	76.0	M75	15.0	54.0	61.9	84.0	92.4	33.4	91.5	75S	A2FHC76	1RA	1.760
75	76.0	M75	15.0	61.1	67.9	85.0	93.5	38.7	91.5	75	A2FHC76	1RA	1.260

Dimensions are displayed in millimetres unless otherwise stated



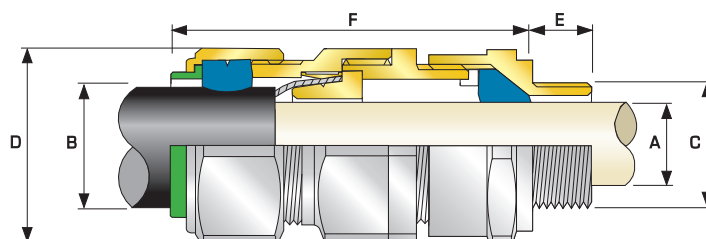
E1FX/M



E1FX/M Mining, Internationally Approved, Explosive Atmosphere Cable Gland

For Pliable Wire Armoured cables

- High quality durable materials
- Wide sealing range for each cable gland size
- Fully sequential, three step installation procedure
- Reduces subjectivity of installations
- Metal-to-metal armour clamping
- Direct & remote installation
- Displacement type flameproof inner seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1071X
Code of Protection	IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0026X, IECEx SIM 14.0007X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66 as standard (IP67, IP68*** available upon request)
Cable Gland Material	Brass, Electroless Nickel Plated Brass
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Pliable Wire Armour (PWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Cable Inner Bedding & Outer Cable 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)					Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Pliable Armour Wire		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	Min	Max	Max	Max						
20S16	M20	15.0	½"	19.9	¾"	3.1	8.6	6.1	13.1	0.0	7/0.45	24.0	26.4	72.5	20S16	E1FX	1RA/M	PVC04	0.157
20S	M20	15.0	½"	19.9	¾"	6.1	11.6	9.5	15.9	0.0	7/0.45	24.0	26.4	70.0	20S	E1FX	1RA/M	PVC04	0.157
20	M20	15.0	½"	19.9	¾"	6.5	13.9	12.5	20.9	0.0	7/0.45	30.5	33.6	73.0	20	E1FX	1RA/M	PVC06	0.206
25S	M25	15.0	¾"	20.2	1"	11.1	19.9	14.0	22.0	0.0	7/0.45	37.5	41.3	89.0	25S	E1FX	1RA/M	PVC09	0.325
25	M25	15.0	¾"	20.2	1"	11.1	19.9	18.2	26.2	0.0	7/0.45	37.5	41.3	89.0	25	E1FX	1RA/M	PVC09	0.325
32	M32	15.0	1"	25.0	1 ¼"	17.0	26.2	23.7	33.9	0.0	7/0.45	46.0	50.6	86.0	32	E1FX	1RA/M	PVC11	0.430
40	M40	15.0	1 ¼"	25.6	1 ½"	22.0	32.1	27.9	40.4	0.0	7/0.71	55.0	60.5	90.0	40	E1FX	1RA/M	PVC15	0.620
50S	M50	15.0	1 ½"	26.1	2"	29.5	38.1	35.2	46.7	0.0	7/0.71	60.0	66.0	91.0	50S	E1FX	1RA/M	PVC18	0.750
50	M50	15.0	2"	26.9	2 ½"	35.6	44.0	40.4	53.0	0.0	7/0.71	70.1	77.1	95.0	50	E1FX	1RA/M	PVC21	0.950
63S	M63	15.0	2"	26.9	2 ½"	40.1	49.9	45.6	59.4	0.0	7/0.71	75.0	82.5	102.0	63S	E1FX	1RA/M	PVC23	1.337
63	M63	15.0	2 ½"	39.9	3"	47.2	55.9	54.6	65.8	0.0	7/0.71	80.0	88.0	104.0	63	E1FX	1RA/M	PVC25	1.340
75S	M75	15.0	2 ½"	39.9	3"	52.8	61.9	59.0	72.0	0.0	7/0.71	90.0	99.0	115.0	75S	E1FX	1RA/M	PVC28	2.110
75	M75	15.0	3"	41.5	3 ½"	59.1	67.9	66.7	78.4	0.0	7/0.71	100.0	110.0	117.0	75	E1FX	1RA/M	PVC30	2.420

*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; ½" = 31; ¾" = 32; 1" = 33; 1 ¼" = 34; 1 ½" = 35; 2" = 36; 2 ½" = 37; 3" = 38; 3 ½" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32E1FXM1RA534 = Nickel Plated Brass 1 ¼" NPT, 50S1FXM1RA035 = Brass 1 ½" NPT, 25E1FXM1RA432 = Stainless Steel ¾" NPT, 20E1FXM1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

**E1FX/MF**

E1FX/MF Mining, Internationally Approved, Flanged Explosive Atmosphere Cable Gland

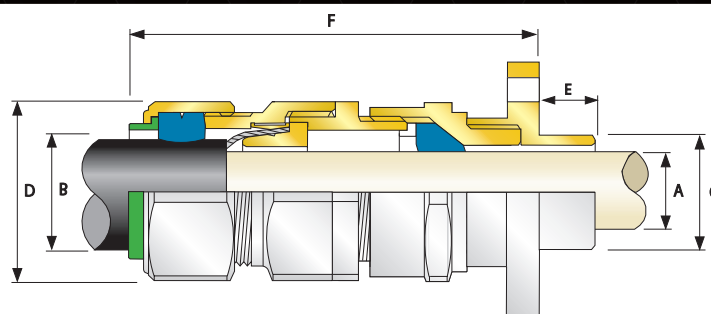
For Pliable Wire Armoured cables

- High quality durable materials
- Wide sealing range for each cable gland size
- Fully sequential, three step installation procedure
- Reduces subjectivity of installations
- Complete with flanged adaptor
- Metal-to-metal armour clamping
- Direct & remote installation
- Displacement type flameproof inner seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



See MA/FT, MA/B page for flange mounting dimensions

Alternative flange sizes available upon request



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1071X, SIRA09ATEX1034U
Code of Protection	IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0026X, IECEx SIR 09.0024U, IECEx SIM 14.0007X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66
Cable Gland Material	Brass, Electroless Nickel Plated Brass
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Pliable Armour Wire (PWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Cable Inner Bedding & Outer Cable 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.

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Minimum Spigot Length "E"	Spigot Diameter "C"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Pliable Wire Diameter		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
			Min	Max	Min	Max	Min	Max				Size	Type	Ordering Suffix	
20S	15.0	19.0	6.1	11.6	9.5	15.9	0.0	7/0.45	24.0	26.4	89.5	20S	E1FX	1RA/MF	0.302
20	15.0	19.0	6.5	13.9	12.5	20.9	0.0	7/0.45	30.5	33.6	92.5	20	E1FX	1RA/MF	0.361
25S	15.0	25.4	11.1	19.9	14.0	22.0	0.0	7/0.45	37.5	41.3	109.6	25S	E1FX	1RA/MF	0.575
25	15.0	25.4	11.1	19.9	18.2	26.2	0.0	7/0.45	37.5	41.3	109.6	25	E1FX	1RA/MF	0.572
32	15.0	31.8	17.0	26.2	23.7	33.9	0.0	7/0.45	46.0	50.6	107.2	32	E1FX	1RA/MF	0.745
40	15.0	38.1	22.0	32.1	27.9	40.4	0.0	7/0.71	55.0	60.5	111.2	40	E1FX	1RA/MF	1.015
50S	15.0	50.8	29.5	38.1	35.2	46.7	0.0	7/0.71	60.0	66.0	109.0	50S	E1FX	1RA/MF	1.478
50	15.0	50.8	35.6	44.0	40.4	53.0	0.0	7/0.71	70.1	77.1	113.0	50	E1FX	1RA/MF	1.683
63S	15.0	63.5	40.1	49.9	45.6	59.4	0.0	7/0.71	75.0	82.5	120.5	63S	E1FX	1RA/MF	2.109
63	15.0	63.5	47.2	55.9	54.6	65.8	0.0	7/0.71	80.0	88.0	122.5	63	E1FX	1RA/MF	2.149
75S	15.0	76.2	52.8	61.9	59.0	72.0	0.0	7/0.71	90.0	99.0	142.5	75S	E1FX	1RA/MF	3.664
75	15.0	76.2	59.1	67.9	66.7	78.4	0.0	7/0.71	100.0	110.0	144.5	75	E1FX	1RA/MF	3.978

*Note : For material options please add the following suffix to change the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"

Examples: 32E1FXMF1RA = Brass, 50SE1FXMF1RA5 = Nickel Plated Brass, 25E1FXMF1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated



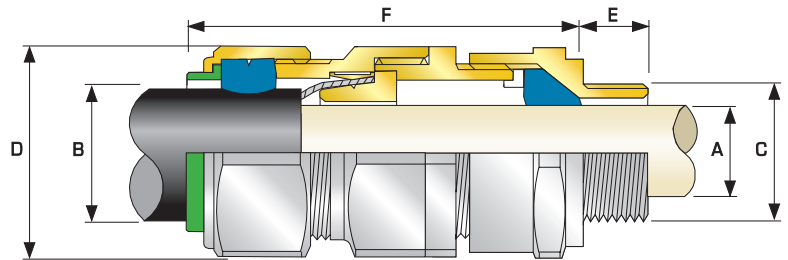
E1FW/M



E1FW/M Mining, Internationally Approved, Explosive Atmosphere Cable Gland

For all types Steel & Aluminium Wire Armoured cables

- High quality durable materials
- Wide sealing range for each cable gland size
- Fully sequential, three step installation procedure
- Reduces subjectivity of installations
- Metal-to-metal armour clamping
- Direct & remote installation
- Displacement type flameproof inner seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1071X
Code of Protection	Ex IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7
IECEx Certificate	IECEx SIR 13.0026X, IECEx SIM 14.0007X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66 as standard (IP67, IP68*** available upon request)
Cable Gland Material	Brass, Electroless Nickel Plated Brass
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Cable Inner Bedding & Outer Cable 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)					Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard				Option														
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT	Min	Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20S16	M20	15.0	½"	19.9	¾"	3.1	8.6	6.1	13.1	0.8	1.25	24.0	26.4	72.5	20S16	E1FW	1RA/M	PVC04	0.157
20S	M20	15.0	½"	19.9	¾"	6.1	11.6	9.5	15.9	0.8	1.25	24.0	26.4	70.0	20S	E1FW	1RA/M	PVC04	0.157
20	M20	15.0	½"	19.9	¾"	6.5	13.9	12.5	20.9	0.8	1.25	30.5	33.6	73.0	20	E1FW	1RA/M	PVC06	0.206
25S	M25	15.0	¾"	20.2	1"	11.1	19.9	14.0	22.0	1.25	1.6	37.5	41.3	89.0	25S	E1FW	1RA/M	PVC09	0.325
25	M25	15.0	¾"	20.2	1"	11.1	19.9	18.2	26.2	1.25	1.6	37.5	41.3	89.0	25	E1FW	1RA/M	PVC09	0.325
32	M32	15.0	1"	25.0	1 ¼"	17.0	26.2	23.7	33.9	1.6	2.0	46.0	50.6	86.0	32	E1FW	1RA/M	PVC11	0.430
40	M40	15.0	1 ¼"	25.6	1 ½"	22.0	32.1	27.9	40.4	1.6	2.0	55.0	60.5	90.0	40	E1FW	1RA/M	PVC15	0.620
50S	M50	15.0	1 ½"	26.1	2"	29.5	38.1	35.2	46.7	2.0	2.5	60.0	66.0	91.0	50S	E1FW	1RA/M	PVC18	0.750
50	M50	15.0	2"	26.9	2 ½"	35.6	44.0	40.4	53.0	2.0	2.5	70.1	77.1	95.0	50	E1FW	1RA/M	PVC21	0.950
63S	M63	15.0	2"	26.9	2 ½"	40.1	49.9	45.6	59.4	2.0	2.5	75.0	82.5	102.0	63S	E1FW	1RA/M	PVC23	1.337
63	M63	15.0	2 ½"	39.9	3"	47.2	55.9	54.6	65.8	2.0	2.5	80.0	88.0	104.0	63	E1FW	1RA/M	PVC25	1.340
75S	M75	15.0	2 ½"	39.9	3"	52.8	61.9	59.0	72.0	2.0	2.5	90.0	99.0	115.0	75S	E1FW	1RA/M	PVC28	2.110
75	M75	15.0	3"	41.5	3 ½"	59.1	67.9	66.7	78.4	2.5	3.0	100.0	110.0	117.0	75	E1FW	1RA/M	PVC30	2.420

*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'
For NPT options add the following digits to the material suffix; ½" = 31; ¾" = 32; 1" = 33; 1 ¼" = 34; 1 ½" = 35; 2" = 36; 2 ½" = 37; 3" = 38; 3 ½" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32E1FWM1RA534 = Nickel Plated Brass 1 ¼" NPT, 50SE1FWM1RA035 = Brass 1 ½" NPT, 25E1FWM1RA432 = Stainless Steel ¾" NPT, 20E1FWM1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

**E1FW/MF**

E1FW/MF Mining, Internationally Approved, Flanged Explosive Atmosphere Cable Gland

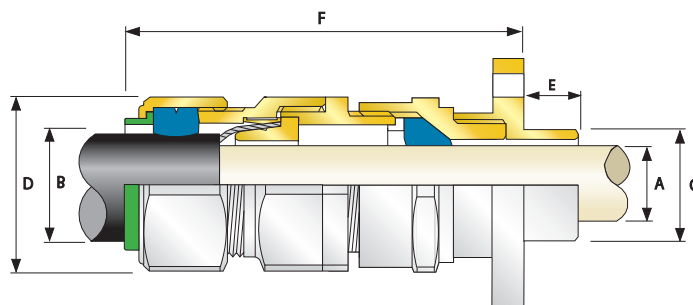
For all types Steel & Aluminium Wire Armoured cables

- High quality durable materials
- Wide sealing range for each cable gland size
- Fully sequential, three step installation procedure
- Reduces subjectivity of installations
- Complete with flanged adaptor
- Metal-to-metal armour clamping
- Direct & remote installation
- Displacement type flameproof inner seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



See MA/FT, MA/B page for flange mounting dimensions

Alternative flange sizes available upon request



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1072X, SIRA09ATEX1034U
Code of Protection	Ex IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X, IECEx SIR 09.0024U, IECEx SIM 14.0007X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66
Cable Gland Material	Brass, Electroless Nickel Plated Brass
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Cable Inner Bedding & Outer Cable 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.

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Minimum Spigot Length "E"	Spigot Diameter "C"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
			Min	Max	Min	Max	Min	Max				Size	Type	Ordering Suffix	
20S	15.0	19.0	6.1	11.6	9.5	15.9	0.8	1.25	24.0	26.4	89.5	20S	E1FW	1RA/MF	0.302
20	15.0	19.0	6.5	13.9	12.5	20.9	0.8	1.25	30.5	33.6	92.5	20	E1FW	1RA/MF	0.361
25S	15.0	25.4	11.1	19.9	14.0	22.0	1.25	1.6	37.5	41.3	109.6	25S	E1FW	1RA/MF	0.575
25	15.0	25.4	11.1	19.9	18.2	26.2	1.25	1.6	37.5	41.3	109.6	25	E1FW	1RA/MF	0.572
32	15.0	31.8	17.0	26.2	23.7	33.9	1.6	2.0	46.0	50.6	107.2	32	E1FW	1RA/MF	0.745
40	15.0	38.1	22.0	32.1	27.9	40.4	1.6	2.0	55.0	60.5	111.2	40	E1FW	1RA/MF	1.015
50S	15.0	50.8	29.5	38.1	35.2	46.7	2.0	2.5	60.0	66.0	109	50S	E1FW	1RA/MF	1.478
50	15.0	50.8	35.6	44.0	40.4	53.0	2.0	2.5	70.1	77.1	113	50	E1FW	1RA/MF	1.683
63S	15.0	63.5	40.1	49.9	45.6	59.4	2.0	2.5	75.0	82.5	120.5	63S	E1FW	1RA/MF	2.109
63	15.0	63.5	47.2	55.9	54.6	65.8	2.0	2.5	80.0	88.0	122.5	63	E1FW	1RA/MF	2.149
75S	15.0	76.2	52.8	61.9	59.0	72.0	2.5	3.0	89.0	97.9	142.5	75S	E1FW	1RA/MF	3.664
75	15.0	76.2	59.1	67.9	66.7	78.4	2.5	3.0	99.0	108.9	144.5	75	E1FW	1RA/MF	3.978

*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'

Examples: 32E1FWMF1RA = Brass, 50SE1FWMF1RA5 = Nickel Plated Brass, 25E1FWMF1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated



PXSS2K/M



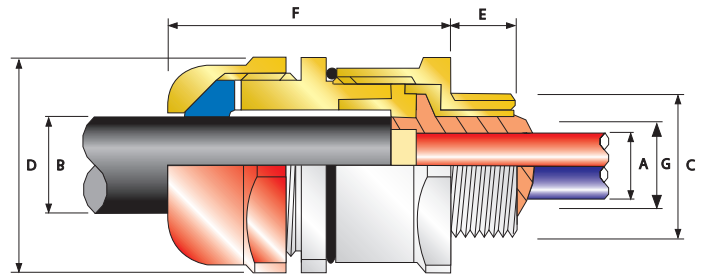
PXSS2K/M Mining, Internationally Approved, Explosive Atmosphere Barrier Cable Gland

For all types of Unarmoured Cables

- Displacement type environmental seal
- Compound barrier type flameproof seal
- -60°C to +85°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX



Also available with RapidEx



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1072X
Code of Protection	IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66, IP67 & IP68***
Deluge Protection Compliance	DTS01:91
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Unarmoured
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Inner Compound Barrier & 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.

Cable Gland Size	Minimum Thread Length "E"	Entry Thread "C"	Maximum Diameter Over Conductors "A"	Maximum Number Of Cores	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
			Diameter	Cores		Min	Max				Size	Type	Ordering Suffix		
20S	15.0	M20	12.6	11	11.7	6.1	11.7	30.0	33.0	53.1	20S	PXSS2K	1RA/M	PVC06	0.200
20	15.0	M20	12.6	11	12.9	6.5	14.0	30.0	33.0	54.2	20	PXSS2K	1RA/M	PVC06	0.200
25	15.0	M25	17.5	21	17.9	11.1	20.0	36.0	39.6	60.0	25	PXSS2K	1RA/M	PVC09	0.330
32	15.0	M32	23.6	38	23.9	17.0	26.3	41.0	45.1	61.1	32	PXSS2K	1RA/M	PVC10	0.590
40	15.0	M40	30.0	59	30.3	22.0	32.1	50.0	55.0	62.4	40	PXSS2K	1RA/M	PVC13	0.560
50S	15.0	M50	36.6	89	36.9	29.5	38.2	55.0	60.5	65.2	50S	PXSS2K	1RA/M	PVC15	0.660
50	15.0	M50	41.0	89	41.3	35.6	44.0	60.0	66.0	67.6	50	PXSS2K	1RA/M	PVC18	0.730
63S	15.0	M63	47.9	115	48.4	40.1	49.9	70.0	77.0	71.1	63S	PXSS2K	1RA/M	PVC21	1.070
63	15.0	M63	53.7	115	54.0	47.2	55.9	75.0	82.5	70.4	63	PXSS2K	1RA/M	PVC23	1.060
75S	15.0	M75	59.8	140	60.2	52.8	61.9	80.0	88.0	75.3	75S	PXSS2K	1RA/M	PVC25	1.300
75	15.0	M75	64.3	140	64.2	59.1	67.9	85.0	93.5	74.9	75	PXSS2K	1RA/M	PVC27	1.300

*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'

Examples: 32PXSS2KM1RA = Brass, 50SPXSS2KM1RA5 = Nickel Plated Brass, 25PXSS2KM1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated


PXSS2K/MF


PXSS2K/MF Mining, Internationally Approved, Flanged Explosive Atmosphere Barrier Cable Gland

For all types of Unarmoured Cables

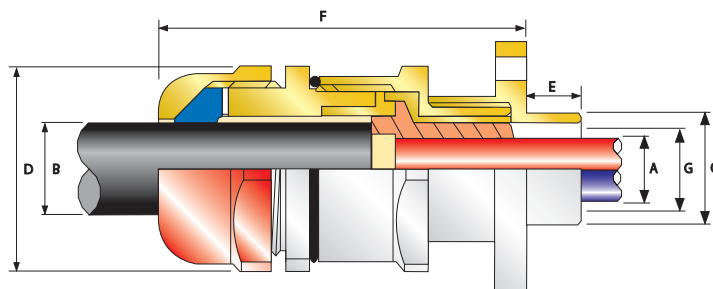
- Complete with flanged adaptor
- Displacement type environmental seal
- Compound barrier type flameproof seal
- -60°C to +85°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX



See MA/FT, MA/B page for flange mounting dimensions

Alternative flange sizes available upon request

Also available with RapidEx



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1072X, SIRA09ATEX1034U
Code of Protection	Ⓔ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X, IECEx SIR 09.0024U
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Unarmoured
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Inner Compound Barrier & 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.

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Minimum Spigot Length "E"	Spigot Diameter "C"	Number of Cores	Diameter over Conductor	Cable Bedding Diameter "A"	Overall Cable Diameter "A"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
			Max	Max	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix	
20S	15.0	19.0	11	11.7	11.7	6.1	11.7	30.0	33.0	70.2	20S	PXSS2K	1RA/MF	0.360
20	15.0	19.0	11	12.6	12.9	6.5	14.0	30.0	33.0	71.3	20	PXSS2K	1RA/MF	0.360
25	15.0	25.4	21	17.5	17.9	11.1	20.0	36.0	39.6	80.6	25	PXSS2K	1RA/MF	0.580
32	15.0	31.8	38	23.6	23.9	17.0	26.3	41.0	45.1	82.3	32	PXSS2K	1RA/MF	0.710
40	15.0	38.1	59	30.0	30.3	22.0	32.1	50.0	55.0	90.1	40	PXSS2K	1RA/MF	0.950
50S	15.0	50.8	89	36.6	36.9	29.5	38.2	55.0	60.5	94.9	50S	PXSS2K	1RA/MF	1.400
50	15.0	50.8	89	41.0	41.3	35.6	44.0	60.0	66.0	97.3	50	PXSS2K	1RA/MF	1.470
63S	15.0	63.5	115	47.9	48.4	40.1	49.9	70.1	77.1	92.6	63S	PXSS2K	1RA/MF	1.840
63	15.0	63.5	115	53.7	54.0	47.2	55.9	75.0	82.5	89.4	63	PXSS2K	1RA/MF	1.870
75S	15.0	76.2	140	59.9	60.2	52.8	61.9	80.0	88.0	102.8	75S	PXSS2K	1RA/MF	2.860
75	15.0	76.2	140	64.2	64.2	59.1	67.9	85.0	93.5	102.4	75	PXSS2K	1RA/MF	2.860

*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'

Examples: 32PXSS2KMF1RA = Brass, 50SPXSS2KMF1RA5 = Nickel Plated Brass, 25PXSS2KMF1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated



PX2KX/M



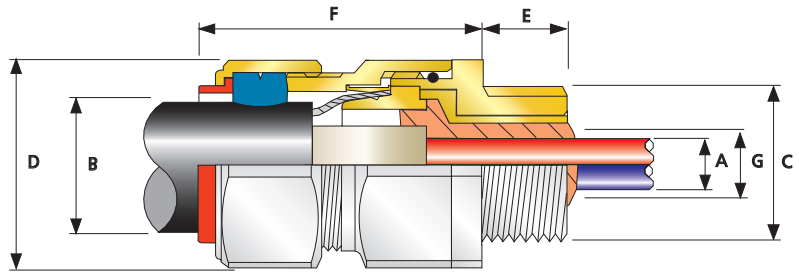
PX2KX/M Mining, Internationally Approved, Explosive Atmosphere Barrier Cable Gland

For Pliable Wire Armoured cables

- Metal-to-metal armour clamping
- Direct & remote installation
- Compound barrier type flameproof seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +85°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



Also available with RapidEx



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armour cables)
ATEX Certificate	SIRA13ATEX1072X
Code of Protection	IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66, IP67 & IP68***
Deluge Protection Compliance	DTS01 : 91
Standard Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Pliable Wire Armour (PWA)
Armour Clamping	Detachable Compound Tube / Cone & AnyWay Universal Clamping Ring
Sealing Area(s)	Inner Compound Barrier & 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)					Maximum Number Of Cores	Maximum Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Pliable Armour Wire		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard				Option				Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT															
20S	M20	15.0	½"	19.9	¾"	11	11.7	11.7	9.5	15.9	0.0	7/0.45	30.5	33.6	62.0	20S	PX2KX	1RA/M	PVC06	0.230
20	M20	15.0	½"	19.9	¾"	11	12.6	12.9	12.5	20.9	0.0	7/0.45	30.5	33.6	63.0	20	PX2KX	1RA/M	PVC06	0.240
25S	M25	15.0	¾"	20.2	1"	21	17.5	17.9	14.0	22.0	0.0	7/0.45	37.5	41.3	69.5	25S	PX2KX	1RA/M	PVC09	0.370
25	M25	15.0	¾"	20.2	1"	21	17.5	17.9	18.2	26.2	0.0	7/0.45	37.5	41.3	69.5	25	PX2KX	1RA/M	PVC09	0.370
32	M32	15.0	1"	25.0	1 ¼"	38	23.6	23.9	23.7	33.9	0.0	7/0.45	46.0	50.6	75.0	32	PX2KX	1RA/M	PVC11	0.570
40	M40	15.0	1 ¼"	25.6	1 ½"	59	30.0	30.3	27.9	40.4	0.0	7/0.71	55.0	60.5	75.0	40	PX2KX	1RA/M	PVC15	0.800
50S	M50	15.0	1 ½"	26.1	2"	89	36.6	36.9	35.2	46.7	0.0	7/0.71	60.0	66.0	77.0	50S	PX2KX	1RA/M	PVC18	0.900
50	M50	15.0	2"	26.9	2 ½"	89	41.0	41.3	40.4	53.0	0.0	7/0.71	70.1	77.1	77.0	50	PX2KX	1RA/M	PVC21	1.190
63S	M63	15.0	2"	26.9	2 ½"	115	47.9	48.4	45.6	59.4	0.0	7/0.71	75.0	82.5	79.7	63S	PX2KX	1RA/M	PVC23	1.390
63	M63	15.0	2 ½"	39.9	3"	115	53.7	54.0	54.6	65.8	0.0	7/0.71	80.0	88.0	80.3	63	PX2KX	1RA/M	PVC25	1.410
75S	M75	15.0	2 ½"	39.9	3"	140	59.9	60.2	59.0	72.0	0.0	7/0.71	90.0	99.0	86.8	75S	PX2KX	1RA/M	PVC28	2.090
75	M75	15.0	3"	41.5	3 ½"	140	64.2	64.2	66.7	78.4	0.0	7/0.71	100.0	110.0	88.3	75	PX2KX	1RA/M	PVC30	2.540

*Note :For material options please add the following suffix to change the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"
For NPT options please add the following digits to the material suffix ; ½" = 31, ¾" = 32, 1" = 33, 1 ¼" = 34, 1 ½" = 35, 2" = 36, 2 ½" = 37, 3" = 38 (Brass requires prefix "0")

Examples: 32PX2KXM1RA534 = Nickel Plated Brass 1¼" NPT, 50SPX2KXM1RA035 = Brass 1½" NPT, 25PX2KXM1RA432 = Stainless Steel ¾" NPT, 20PX2KXM1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated


PX2KX/MF


PX2KX/MF Mining, Internationally Approved, Explosive Atmosphere Barrier Cable Gland

For Pliable Wire Armoured cables

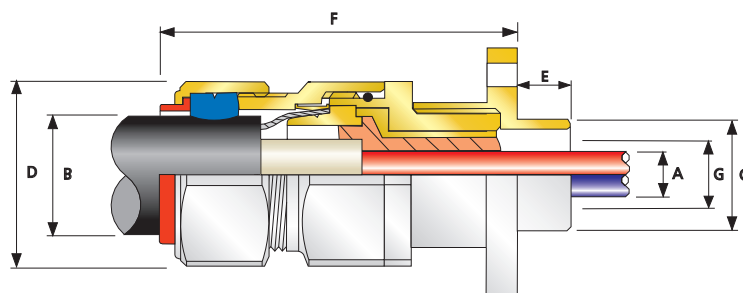
- Complete with flanged adaptor
- Metal-to-metal armour clamping
- Direct & remote installation
- Compound barrier type flameproof seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +85°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



See MAIFT, MAIB page for flange mounting dimensions

Alternative flange sizes available upon request

Also available with RapidEx



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1072X, SIRA09ATEX1034U
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X, IECEx SIR 09.0024U
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66, IP67 & IP68***
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Pliable Wire Armour (PWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP 'LRS'™ Outer Load Retention Seal
Sealing Area(s)	Inner Compound Barrier & 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	Minimum Spigot Length "E"	Spigot Diameter "C"	Maximum Number Of Cores	Maximum Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Pliable Armour Wire		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
						Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix	
20S	15.0	19.0	11	11.7	11.7	9.5	15.9	0.0	7/0.45	30.5	33.6	79.1	20S	PX2KX	1RA/MF	0.400
20	15.0	19.0	11	12.6	12.9	12.5	20.9	0.0	7/0.45	30.5	33.6	80.1	20	PX2KX	1RA/MF	0.390
25S	15.0	25.4	21	17.5	17.9	14.0	22.0	0.0	7/0.45	37.5	41.3	90.1	25S	PX2KX	1RA/MF	0.490
25	15.0	25.4	21	17.5	17.9	18.2	26.2	0.0	7/0.45	37.5	41.3	90.1	25	PX2KX	1RA/MF	0.620
32	15.0	31.8	38	23.6	23.9	23.7	33.9	0.0	7/0.45	46.0	50.6	96.2	32	PX2KX	1RA/MF	0.690
40	15.0	38.1	59	30.0	30.3	27.9	40.4	0.0	7/0.71	55.0	60.5	102.7	40	PX2KX	1RA/MF	0.960
50S	15.0	50.8	89	36.6	36.9	35.2	46.7	0.0	7/0.71	60.0	66.0	106.7	50S	PX2KX	1RA/MF	1.540
50	15.0	50.8	89	41.0	41.3	40.4	53.0	0.0	7/0.71	70.1	77.1	106.7	50	PX2KX	1RA/MF	1.640
63S	15.0	63.5	115	47.9	48.4	45.6	59.4	0.0	7/0.71	75.0	82.5	101.2	63S	PX2KX	1RA/MF	1.960
63	15.0	63.5	115	53.7	54.0	54.6	65.8	0.0	7/0.71	80.0	88.0	99.3	63	PX2KX	1RA/MF	2.200
75S	15.0	76.2	140	59.9	60.2	59.0	72.0	0.0	7/0.71	90.0	99.0	114.3	75S	PX2KX	1RA/MF	2.970
75	15.0	76.2	140	64.2	64.2	66.7	78.4	0.0	7/0.71	100.0	110.0	115.8	75	PX2KX	1RA/MF	3.650

*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'

Examples: 32PX2KXMF1RA = Brass, 50SPX2KXMF1RA5 = Nickel Plated Brass, 25PX2KXMF1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated



PX2KW/M



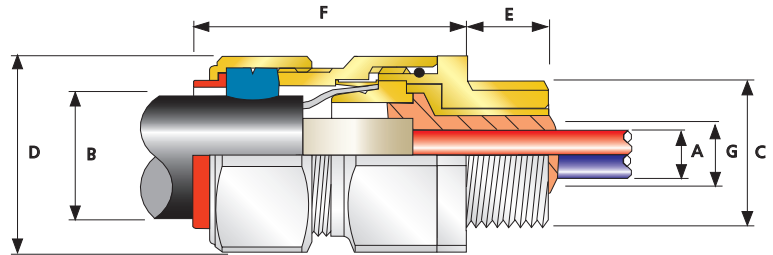
PX2KW/M Mining, Internationally Approved, Explosive Atmosphere Barrier Cable Gland

For all types Steel & Aluminium Wire Armoured cables

- Metal-to-metal armour clamping
- Direct & remote installation
- Compound barrier type flameproof seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +85°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



Also available with RapidEx



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1072X
Code of Protection	IM2 Ex d I, Ex e I
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66, IP67 & IP68***
Deluge Protection Compliance	DTS01 : 91
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner Compound Barrier & 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.

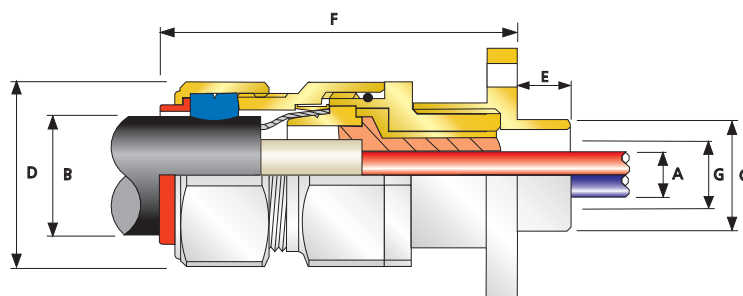
Dimensions listed below are for metric cable glands only
Dimensions for alternative threads may vary, please see supplementary technical data sheet

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)					Maximum Number Of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard				Option				Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT															
20S	M20	15.0	½"	19.9	¾"	11	11.7	11.7	9.5	15.9	0.8	1.25	30.5	33.6	62.0	20S	PX2KW/M	1RA	PVC06	0.230
20	M20	15.0	½"	19.9	¾"	11	12.6	12.9	12.5	20.9	0.8	1.25	30.5	33.6	63.0	20	PX2KW/M	1RA	PVC06	0.240
25S	M25	15.0	¾"	20.2	1"	21	17.5	17.9	14.0	22.0	1.25	1.6	37.5	41.3	69.5	25S	PX2KW/M	1RA	PVC09	0.370
25	M25	15.0	¾"	20.2	1"	21	17.5	17.9	18.2	26.2	1.25	1.6	37.5	41.3	69.5	25	PX2KW/M	1RA	PVC09	0.370
32	M32	15.0	1"	25.0	1 ¼"	38	23.6	23.9	23.7	33.9	1.6	2.0	46.0	50.6	75.0	32	PX2KW/M	1RA	PVC11	0.570
40	M40	15.0	1 ¼"	25.6	1 ½"	59	30.0	30.3	27.9	40.4	1.6	2.0	55.0	60.5	75.0	40	PX2KW/M	1RA	PVC15	0.800
50S	M50	15.0	1 ½"	26.1	2"	89	36.6	36.9	35.2	46.7	2.0	2.5	60.0	66.0	77.0	50S	PX2KW/M	1RA	PVC18	0.900
50	M50	15.0	2"	26.9	2 ½"	89	41.0	41.3	40.4	53.0	2.0	2.5	70.1	77.1	77.0	50	PX2KW/M	1RA	PVC21	1.190
63S	M63	15.0	2"	26.9	2 ½"	115	47.9	48.4	45.6	59.4	2.0	2.5	75.0	82.5	79.7	63S	PX2KW/M	1RA	PVC23	1.390
63	M63	15.0	2 ½"	39.9	3"	115	53.7	54.0	54.6	65.8	2.0	2.5	80.0	88.0	80.3	63	PX2KW/M	1RA	PVC25	1.410
75S	M75	15.0	2 ½"	39.9	3"	140	59.9	60.2	59.0	72.0	2.0	2.5	90.0	99.0	86.8	75S	PX2KW/M	1RA	PVC28	2.090
75	M75	15.0	3"	41.5	3 ½"	140	64.2	64.2	66.7	78.4	2.5	3.0	100.0	110.0	88.3	75	PX2KW/M	1RA	PVC30	2.540

*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'
For NPT options please 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 (Brass requires prefix "0")

Examples: 32PX2KWM1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPX2KWM1RA035 = Brass 1 1/2" NPT, 25PX2KWM1RA432 = Stainless Steel 3/4" NPT, 20PX2KWM1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

**PX2KW/MF**

PX2KW/MF Mining, Internationally Approved, Flanged Explosive Atmosphere Barrier Cable Gland

For all types Steel & Aluminium Wire Armoured cables

- Complete with flanged adaptor
- Metal-to-metal armour clamping
- Direct & remote installation
- Compound barrier type flameproof seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +85°C
- Permitted in Zone 1
- Internationally marked, IECEx & ATEX
- Superior EMC performance



See MA/FT, MA/B page for flange mounting dimensions

Alternative flange sizes available upon request

Also available with RapidEx

TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B
ATEX Certificate	SIRA13ATEX1072X, SIRA09ATEX1034U
Code of Protection	IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7
IECEx Certificate	IECEx SIR 13.0027X, IECEx SIR 09.0024U
Code of Protection	Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7
Ingress Protection Rating**	IP66
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner Compound Barrier & 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.

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Minimum Spigot Length "E"	Spigot Diameter "C"	Maximum Number Of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armour Range		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
						Min	Max	Min	Max				Size	Type	Ordering Suffix	
20S	15.0	19.0	11	11.7	11.7	9.5	15.9	0.8	1.25	30.5	33.6	79.1	20S	PX2KW	1RA/MF	0.390
20	15.0	19.0	11	12.6	12.9	12.5	20.9	0.8	1.25	30.5	33.6	80.1	20	PX2KW	1RA/MF	0.400
25S	15.0	25.4	21	17.5	17.9	14.0	22.0	1.25	1.6	37.5	41.3	90.1	25S	PX2KW	1RA/MF	0.620
25	15.0	25.4	21	17.5	17.9	18.2	26.2	1.25	1.6	37.5	41.3	90.1	25	PX2KW	1RA/MF	0.620
32	15.0	31.8	38	23.6	23.9	23.7	33.9	1.6	2.0	46.0	50.6	96.2	32	PX2KW	1RA/MF	0.890
40	15.0	38.1	59	30.0	30.3	27.9	40.4	1.6	2.0	55.0	60.5	102.7	40	PX2KW	1RA/MF	1.190
50S	15.0	50.8	89	36.6	36.9	35.2	46.7	2.0	2.5	60.0	66.0	106.7	50S	PX2KW	1RA/MF	1.640
50	15.0	50.8	89	41.0	41.3	40.4	53.0	2.0	2.5	70.1	77.1	106.7	50	PX2KW	1RA/MF	1.930
63S	15.0	63.5	115	47.9	48.4	45.6	59.4	2.0	2.5	75.0	82.5	101.2	63S	PX2KW	1RA/MF	2.160
63	15.0	63.5	115	53.7	54.0	54.6	65.8	2.0	2.5	80.0	88.0	99.3	63	PX2KW	1RA/MF	2.220
75S	15.0	76.2	140	59.9	60.2	59.0	72.0	2.0	2.5	90.0	99.0	114.3	75S	PX2KW	1RA/MF	3.650
75	15.0	76.2	140	64.2	64.2	66.7	78.4	2.5	3.0	99.0	100.0	115.8	75	PX2KW	1RA/MF	4.100

*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'

Examples: 32PX2KWMF1RA = Brass, 50SPX2KWMF1RA5 = Nickel Plated Brass, 25PX2KWMF1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated