



**A2F/M** Ex e Ex d

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

\* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444  
 \*\* Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

CMP MINING RANGE

**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	Min	Max	Max	Max		Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT)	NPT										
20s16	M20	15.0	1/2"	19.9	3/4"	3.2	8.7	24.0	26.4	25.1	20S16	A2F	1RA/M	PVC04	0.07
20S	M20	15.0	1/2"	19.9	3/4"	6.1	11.7	24.0	26.4	25.1	20S	A2F	1RA/M	PVC04	0.06
20	M20	15.0	1/2"	19.9	3/4"	6.5	14.0	27.0	29.7	27.2	20	A2F	1RA/M	PVC05	0.07
25	M25	15.0	3/4"	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 1/4"	17.0	26.3	41.0	45.1	34.2	32	A2F	1RA/M	PVC10	0.15
40	M40	15.0	1 1/4"	25.6	1 1/2"	23.5	32.2	50.0	55.0	35.1	40	A2F	1RA/M	PVC13	0.20
50S	M50	15.0	1 1/2"	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 1/2"	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 1/2"	41.5	49.9	70.5	77.6	33.5	63S	A2F	1RA/M	PVC21	0.43
63	M63	15.0	2 1/2"	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 1/2"	39.9	3"	54.0	61.9	84.0	92.4	34.2	75S	A2F	1RA/M	PVC24	0.52
75	M75	15.0	3"	41.5	3 1/2"	61.1	67.9	84.0	92.4	40.6	75	A2F	1RA/M	PVC26	0.50
90	M90	24.0	3 1/2"	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 1/2"	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 '5'; 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: 32A2F1RA/IM534 = Nickel Plated Brass 1-1/4" NPT, 50SA2F1RA/IM035 = Brass 1-1/2" NPT, 25A2F1RA/IM432 = Stainless Steel 3/4" NPT, 20A2F1RA/IM5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated



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**TDS567 REV 7**