

**A2F/HC**

Ex e Ex d Ex nR Ex ta

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

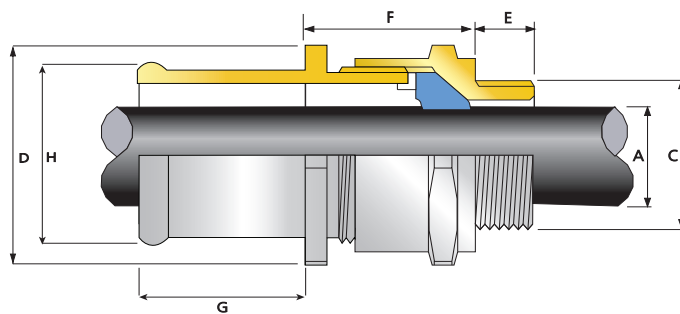
For all types of Unarmoured Cables housed in Flexible Hose

- 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	CML 18ATEX1321X, CML 18ATEX4313X
Code of Protection	Ⓔ Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da (Group II) Ⓔ Ex db I Mb, Ex eb I Mb (Group I)
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx CML 18.0179X, IECEx SIM 14.0006
Code of Protection	Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da (Group II) Ex db I Mb, Ex eb I Mb (Group I)
Compliance Standards	IEC 60079-0,1,7,15,31
EAC Certificate	TC C-GB. 05.B00138 (Group II)
KCs KOSHA Certificate	13-GA4B0-0748X, 13-GA4B0-0749X, 13-GA4B0-0750X (Group II)
CCOE / PESO (India) Certificate	P333688 (Group II)
NEPSI Certificate	GYJ18.1250X (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