

**A2F/HC**

Ex e Ex d Ex nR Ex ta

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

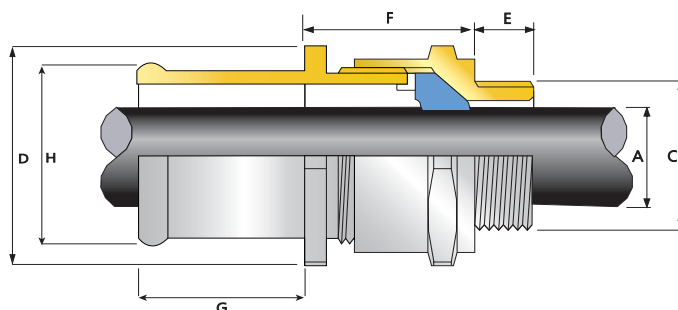
For all types of Unarmoured Cables housed in Flexible Hose

- 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, Retention = 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 (Formerly GOST R, K & B)	TC C-GB. 05.B00138 (Group II)
KCC Certificate	13-GA480-0748X, 13-GA480-0749X, 13-GA480-0750X (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 (when used with CMP Products installation accessories)**
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

Cable Gland Selection Table

Refer to illustration at the top of the page.

* 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

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	34.0	13.0	16	A2FHC13	1RA	0.100
20s16	16.0	M20	15.0	3.2	8.7	24.0	26.4	34.0	16.0	16	A2FHC16	1RA	0.110
20s	16.0	M20	15.0	6.1	11.7	24.0	26.4	37.0	16.0	20S	A2FHC16	1RA	0.090
20	19.0	M20	15.0	6.5	14.0	27.0	29.7	44.0	19.0	20	A2FHC19	1RA	0.110
25	25.0	M25	15.0	11.1	20.0	36.0	39.6	53.0	25.0	25	A2FHC25	1RA	0.210
32	32.0	M32	15.0	17.0	26.3	41.0	45.1	60.0	32.0	32	A2FHC32	1RA	0.270
40	38.0	M40	15.0	23.5	32.2	50.0	55.0	69.0	38.0	40	A2FHC38	1RA	0.380
50S	51.0	M50	15.0	31.0	38.2	55.0	60.5	83.0	51.0	50S	A2FHC51	1RA	0.740
50	51.0	M50	15.0	35.6	44.0	60.0	66.0	84.0	51.0	50	A2FHC51	1RA	0.570
63S	63.0	M63	15.0	41.5	49.9	70.5	77.6	100.0	63.0	63S	A2FHC63	1RA	1.210
63	63.0	M63	15.0	47.2	55.9	75.0	84.0	100.0	63.0	63	A2FHC63	1RA	0.860
75S	76.0	M75	15.0	54.0	61.9	80.0	88.0	123.5	76.0	75S	A2FHC76	1RA	1.760
75	76.0	M75	15.0	61.1	67.9	85.0	93.5	123.5	76.0	75	A2FHC76	1RA	1.260

*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; 1/2" = 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 (Brass requires prefix "0")

Examples: 32A2FHC321RA534 = Nickel Plated Brass 1-1/4" NPT, 50SA2FHC511RA035 = Brass 1-1/2" NPT, 25A2FHC251RA432 = Stainless Steel 3/4" NPT, 20A2FHC191RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated


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