



**A2FHT**

- Ex e
- Exd
- ExnR
- Exta

**A2FHT Internationally Approved, Explosive Atmosphere Cable Gland**

**For all types of Unarmoured & Braided Cables**

- 60°C to 180°C high temperature ThermEx seals
- Displacement type flameproof seal
- Deluge protected
- 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 18ATEX1308X, CML 18ATEX4312X
Code of Protection	⊕ II 2G Ex db IIC Gb, II 2G Ex eb IIC Gb, II 1D Ex ta IIIC Da IP66, IP67, IP68 ⊕ II 3G Ex nRc IIC IP66, IP67, IP68
Compliance Standards	EN60079-0,1,7,15,31
IECEx Certificate	IECEx CML 18.0173X
Code of Protection	Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, Ex nRc IIC Gc IP66, IP67, IP68
Compliance Standards	IEC 60079-0,1,7,15,31
NEPSI Certificate	GYJ18.1249X
Continuous Operating Temperature	-60°C to +180°C
Ingress Protection Rating**	IP66, IP67 & IP68***
Deluge Protection Compliance	DTS01 : 91
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Unarmoured & Braided when terminated inside enclosure
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		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)		
	Standard			Option									
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT	Min	Max	Max	Max	Max	Size	Type	Ordering Suffix
16	M16	15.0	-	-	-	3.2	8.0	24.0	26.4	34.9	16	A2FHT	1RA
16P	M16	15.0	-	-	-	3.2	8.0	22.0	24.2	34.7	16P	A2FHT	1RA
20S/16	M20	15.0	1/2"	19.9	3/4"	3.2	8.0	24.0	26.4	31.4	20S16	A2FHT	1RA
20S/16P	M20	15.0	-	-	-	3.2	8.0	22.0	24.2	32.1	20S16P	A2FHT	1RA
20S	M20	15.0	1/2"	19.9	3/4"	6.5	11.2	24.0	26.4	32.1	20S	A2FHT	1RA
20SP	M20	15.0	-	-	-	6.5	11.2	22.0	24.2	32.1	20SP	A2FHT	1RA
20	M20	15.0	1/2"	19.9	3/4"	7.0	13.5	27.0	29.7	35.8	20	A2FHT	1RA
20P	M20	15.0	-	-	-	7.0	13.5	24.0	26.4	41.4	20P	A2FHT	1RA
25	M25	15.0	3/4"	20.2	1"	11.5	19.5	36.0	39.6	40.4	25	A2FHT	1RA
25P	M25	15.0	-	-	-	11.5	19.5	32.0	35.2	49.7	25P	A2FHT	1RA
32	M32	15.0	1"	25.0	1 1/4"	19.0	25.5	41.0	45.1	38.5	32	A2FHT	1RA
40	M40	15.0	1 1/4"	25.6	1 1/2"	25.0	32.2	50.0	55.0	39.1	40	A2FHT	1RA
50S	M50	15.0	1 1/2"	26.1	2"	31.0	38.2	55.0	60.5	41.4	50S	A2FHT	1RA
50	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	60.0	66.0	45.8	50	A2FHT	1RA
63S	M63	15.0	2"	26.9	2 1/2"	41.5	49.9	70.5	77.6	43.3	63S	A2FHT	1RA
63	M63	15.0	2 1/2"	39.9	3"	48.2	54.9	75.0	82.5	43.6	63	A2FHT	1RA
75S	M75	15.0	2 1/2"	39.9	3"	54.0	61.9	84.0	92.4	45.4	75S	A2FHT	1RA

\* 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: 32A2F1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SA2F1RA035 = Brass 1 1/2" NPT, 25A2F1RA432 = Stainless Steel 3/4" NPT, 20A2F1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

Please contact CMP for Cable Gland weights and Shroud sizing