

A2EX Ex d IIC / Ex e II

494AB Series



The A2EX is a cable gland that provides high performance in high temperatures in deluge and IP68 conditions.

Features and benefits:

- Brass indoor and outdoor cable gland for use in hazardous areas
- Suitable for circular unarmoured cables with extruded oversheath
- Fitted with silicone rubber low smoke, zero halogen seal
- Achieves IP66, IP68 (1 bar) and deluge proof (DTS01:1991) seal onto cable and to enclosure with suitable sealing washer or thread sealant
- Suitable for most climatic conditions – weatherproof, waterproof and deluge proof
- Standard and Nickel plated versions available
- Full Installation Instructions supplied



May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

- Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³
- Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume
- Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³
- Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume
- Zone 2 with Ex nR II equipment

Technical Information:

Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 94/9/EC
Atex Compliance Standards: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

Certificate number Sira99ATEX1086X

IECEx Compliance Standards: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1

Certificate number IECEx SIR 10.0069X

Service temperature range -50°C to +200°C

UL Classified in accordance with IEC 60079-0, 60079-1 and 60079-7 for use in hazardous locations

UL Listed for use in Class 1, Zone 0, 1 and 2 hazardous locations for Canada

Specifications

Gland Reference		Cable Dimensions mm				Gland Dimensions mm			
Design Reference		Size	Cable Diameter Ø (B) mm		Entry Thread (D)	Thread Length (E)	Protrusion Length (F)	Hexagon	
Standard	Nickel Plated		Min	Max				A/F (G)	A/C (H)
494AB-51	494AB-51V	16	3.5	8.5	M16×1.5	15	36	22	24.9
494AB-71	494AB-71V	20SS	3.5	8.5	M20×1.5	15	36	22	24.9
494AB-52	494AB-52V	20S	8.0	11.5	M20×1.5	15	36	22	24.9
494AB-53	494AB-53V	20	8.0	16.0	M20×1.5	15	34	25.7	28.7
494AB-55	494AB-55V	25	11.5	21.0	M25×1.5	15	44	33	36.9
494AB-56	494AB-56V	32	18.5	27.5	M32×1.5	15	38	37.5	42.2
494AB-57	494AB-57V	40	24.0	34.0	M40×1.5	15	46	47.2	53.6
494AB-59	494AB-59V	50	31.0	41.0	M50×1.5	15	44	56.4	61.5
494AB-61	494AB-61V	63	40.0	52.5	M63×1.5	15	61	70	77.2
494AB-62	494AB-62V	75S	52.5	58.0	M75×1.5	15	46	80	87.4
494AB-63	494AB-63V	75	54.5	65.5	M75×1.5	15	66	80	87.4

Sizes 32mm and above shall only be used for fixed installations.
In addition the user / installer should ensure that the cables are adequately clamped.

