

A2EX Ex d IIC / Ex e II

KM494 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

Kit comprises:

A2EX Gland
Brass Locknut
Nylon Sealing Washer
PVC Shroud
(2 per kit up to and including 25mm size)



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

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

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 Kit Reference		Cable Dimensions mm				Gland Dimensions mm				
Design Reference		Size	Qty per Kit	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)
KM494-51	KM494-51V	16	2	3.5	8.5	M16×1.5	15	36	22	24.9
KM494-71	KM494-71V	20SS	2	3.5	8.5	M20×1.5	15	36	22	24.9
KM494-52	KM494-52V	20S	2	8.0	11.5	M20×1.5	15	36	22	24.9
KM494-53	KM494-53V	20	2	8.0	16.0	M20×1.5	15	34	25.7	28.7
KM494-55	KM494-55V	25	2	11.5	21.0	M25×1.5	15	44	33	36.9
KM494-56	KM494-56V	32	1	18.5	27.5	M32×1.5	15	38	37.5	42.2
KM494-57	KM494-57V	40	1	24.0	34.0	M40×1.5	15	46	47.2	53.6
KM494-59	KM494-59V	50	1	31.0	41.0	M50×1.5	15	44	56.4	61.5
KM494-61	KM494-61V	63	1	40.0	52.5	M63×1.5	15	61	70	77.2
KM494-62	KM494-62V	75S	1	52.5	58.0	M75×1.5	15	46	80	87.4
KM494-63	KM494-63V	75	1	54.5	65.5	M75×1.5	15	66	80	87.4

Sizes 32 and above shall only be used for fixed installations.

In addition the user / installer should ensure that the cables are adequately clamped.

