

A2EX

494NE Series



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com



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

Key Features

- Brass indoor and outdoor cable gland for use in hazardous areas
- Suitable for circular unarmored 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
- Nickel plated and standard versions available
- Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 94/9/EC
- Certificate number Sira99ATEX1086X. IECEx 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 I, Zone 0, 1 and 2 hazardous locations for Canada
- 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

Specifications

Gland Reference		Cable Dimensions Accommodated Outer Seal Overall Ø (B)				Gland Dimensions				Weight
Design Reference		Hub Size NPT (D)	Basic Metric	Min	Max	Hub Length (E)	Protrusion Length (F)	Hexagon		lbs
Fully Plated	Un Plated							A/F (G)	A/C (H)	
494NE-03V	494NE-03	½"	16	0.138"	0.335"	0.60"	1.42"	0.85"	0.97"	0.209
494NE-04V	494NE-04	½"	20s	0.315"	0.453"	0.60"	1.34"	0.85"	0.97"	0.176
494NE-05V	494NE-05	½"	20	0.315"	0.530"	0.64"	1.73"	1.00"	1.13"	0.198
494NE-08V	494NE-08	¾"	20	0.315"	0.630"	0.64"	1.73"	1.00"	1.13"	0.198
494NE-10V	494NE-10	¾"	25	0.453"	0.827"	0.76"	1.81"	1.29"	1.45"	0.320
494NE-14V	494NE-14	1"	25	0.453"	0.827"	0.76"	1.81"	1.29"	1.45"	0.320
494NE-15V	494NE-15	1"	32	0.728"	1.083"	0.80"	1.50"	1.47"	1.65"	0.310
494NE-20V	494NE-20	1 ¼"	32	0.728"	1.083"	0.80"	1.50"	1.47"	1.65"	0.309
494NE-21V	494NE-21	1 ¼"	40	0.945"	1.339"	0.82"	1.81"	1.85"	2.11"	0.595
494NE-27V	494NE-27	1 ½"	40	0.945"	1.339"	0.82"	1.81"	2.21"	2.47"	0.595
494NE-31V	494NE-31	1 ½"	50	1.220"	1.614"	0.86"	1.73"	2.21"	2.40"	0.849
494NE-32V	494NE-32	2"	50	1.220"	1.614"	0.86"	1.73"	2.21"	2.40"	0.849
494NE-38V	494NE-38	2 ½"	63	1.575"	2.067"	1.27"	2.40"	2.75"	3.02"	1.62
494NE-44V	494NE-44	3"	75S	2.067"	2.283"	1.31"	1.81"	3.13"	3.42"	1.962
494NE-45V	494NE-45	3"	75	2.146"	2.579"	1.31"	2.60"	3.13"	3.42"	1.709

