

Excel Plus

493NE series



The Excel plus in a universal hazardous area cable gland achieves IP67 and deluge protection with additional features for soft - bedding materials subject to cold flow.

Key Features

- Excel Plus Ex d IIC & Ex e II deluge proof gland
- Brass indoor and outdoor cable gland for use in hazardous areas
- Suitable for circular cables with braid, tape or wire armor and extruded polymeric bedding and oversheath
- Achieves IP67 and deluge proof (DTS01:1991) seal onto cable and to enclosure with sealing washer supplied or thread sealant
- Three part armor lock provides mechanical cable retention and electrical continuity
- Diaphragm inner seal compatible with soft bedding materials that may be subject to 'cold-flow'
- Suitable for most climatic conditions – weatherproof, waterproof and deluge proof
- Nickel plated versions also available
- Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 94/9/EC
- Certificate number Sira01ATEX1032X
- Service temperature range -20°C to +90°C
- CSA [C/US] certified Ex d IIC & Ex e II, CSA Enclosure Type 4X, AEx d IIC & AEx e II, NEMA 4X
- 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					Gland Dimensions				Weight
Design Reference		Hub Size NPT (D)	Basic Metric	Under Armor Ø (A)		Overall Ø (B)		Max. Armor wire (C)	Hub Length (E)	Protrusion Length (F)	Hexagon		lbs
Un Plated	Fully Plated			Min	Max	Min	Max				A/F (G)	A/C (H)	
493NE-03	493NE-03V	½"	16	0.157"	0.354"	0.315"	0.630"	0.049"	0.54"	2.87"	1.01"	1.13"	0.40
493NE-04	493NE-04V	½"	20S	0.276"	0.472"	0.354"	0.630"	0.049"	0.54"	2.68"	1.10"	1.25"	0.42
493NE-08	493NE-08V	¾"	20	0.315"	0.567"	0.453"	0.827"	0.049"	0.55"	2.99"	1.30"	1.45"	0.55
493NE-14	493NE-14V	1"	25	0.413"	0.795"	0.728"	1.083"	0.063"	0.69"	2.99"	1.48"	1.66"	0.69
493NE-20	493NE-20V	1 ¼"	32	0.610"	1.043"	0.827"	1.339"	0.079"	0.71"	2.39"	1.86"	2.08"	1.17
493NE-27	493NE-27V	1 ½"	40	0.906"	1.280"	1.220"	1.634"	0.079"	0.73"	3.54"	2.22"	2.49"	1.76
493NE-32	493NE-32V	2"	50	1.122"	1.752"	1.417"	2.067"	0.098"	0.77"	4.37"	2.76"	3.04"	2.67
493NE-38	493NE-38V	2 ½"	63	1.732"	2.224"	1.969"	2.579"	0.098"	1.14"	4.41"	3.15"	3.44"	3.35
493NE-45	493NE-45V	3"	75	2.087"	2.697"	2.323"	3.071"	0.098"	1.20"	5.12"	3.89"	4.30"	5.25

