



# E1W-XL (NPT) Ex d IIC / Ex e II Cable Glands (474NP Series)

UNIVERSAL GLAND SUITABLE FOR USE WITH STEEL WIRE ARMOUR, BRAID WIRE ARMoured AND LEAD SHEATHED CABLES

## Features and benefits:

- Brass indoor and outdoor cable gland for use in hazardous areas
- Suitable for circular, galvanized steel wire armour cables with extruded polymeric bedding and oversheath
- Suitable for circular, Braid wire armour cables with 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 armour lock provides mechanical cable retention and electrical continuity
- Continuity Connection for Lead Inner sheathed cables
- Inner PCP seal grips cable bedding and provides additional ingress protection
- Suitable for most climatic conditions - weatherproof and waterproof
- Standard and Nickel plated versions available
- Full Installation Instructions supplied

## 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 Sira 02ATEX3093X

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

Certificate number IECEx SIR 10.0070X

Service temperature range -60°C to +90°C

### May be used in:

- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

### 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 2000cm<sup>3</sup>
- 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 2000cm<sup>3</sup>
- 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 mm |                    |      |               |      |               |                     |               | Gland Dimensions mm |                  |                   |                       |         |         |
|------------------|---------------|---------------------|--------------------|------|---------------|------|---------------|---------------------|---------------|---------------------|------------------|-------------------|-----------------------|---------|---------|
| Design Reference |               | Size                | Under Armour Ø (A) |      | Overall Ø (B) |      | Armour Wire Ø | Braid Armour Wire Ø | Lead Sheath Ø |                     | Entry Thread (D) | Thread Length (E) | Protrusion Length (F) | Hexagon |         |
| Standard         | Nickel Plated |                     | Min                | Max  | Min           | Max  |               |                     | Min           | Max                 |                  |                   |                       | A/F (G) | A/C (H) |
| 474NP-03         | 474NP-03V     | ½" - 20SS           | 3.8                | 8.7  | 8.0           | 13.2 | 0.9           | 0.2/0.3             | 3.0           | 8.0                 | ½" NPT           | 15.5              | 41                    | 23.4    | 26.7    |
| 474NP-04         | 474NP-04V     | ½" - 20S            | 8.0                | 11.8 | 8.0           | 15.8 | 0.9/1.25      | 0.2/0.3             | 4.0           | 12.0                | ½" NPT           | 15.5              | 43                    | 25.7    | 29.2    |
| 474NP-07         | 474NP-07V     | ¾" - 20S            | 8.0                | 11.8 | 8.0           | 15.8 | 0.9/1.25      | 0.2/0.3             | 4.0           | 12.0                | ¾" NPT           | 16.4              | 43                    | 27.9    | 31.8    |
| 474NP-05         | 474NP-05V     | ½" - 20             | 11.8               | 14.2 | 11.7          | 20.8 | 0.9/1.25      | 0.2/0.3             | 7.0           | 14.0                | ½" NPT           | 15.5              | 43                    | 30.5    | 34.0    |
| 474NP-08         | 474NP-08V     | ¾" - 20             | 11.8               | 14.2 | 11.7          | 20.8 | 0.9/1.25      | 0.2/0.3             | 7.0           | 14.0                | ¾" NPT           | 16.4              | 43                    | 30.5    | 34.0    |
| 474NP-10         | 474NP-10V     | ¾" - 25             | 14.0               | 20.1 | 17.0          | 27.2 | 1.25/1.6      | 0.2/0.45            | 10.0          | 20.0                | ¾" NPT           | 16.4              | 48                    | 37.6    | 42.2    |
| 474NP-14         | 474NP-14V     | 1" - 25             | 14.0               | 20.1 | 17.0          | 27.2 | 1.25/1.6      | 0.2/0.45            | 10.0          | 20.0                | 1" NPT           | 19.5              | 48                    | 37.6    | 42.2    |
| 474NP-15         | 474NP-15V     | 1" - 32             | 19.7               | 26.6 | 23.5          | 33.5 | 1.6/2.0       | 0.3/0.45            | 15.0          | 26.0                | 1" NPT           | 19.5              | 53                    | 47.2    | 53.6    |
| 474NP-20         | 474NP-20V     | 1¼" - 32            | 19.7               | 26.6 | 23.5          | 33.5 | 1.6/2.0       | 0.3/0.45            | 15.0          | 26.0                | 1¼" NPT          | 20.5              | 53                    | 47.2    | 53.6    |
| 474NP-21         | 474NP-21V     | 1¼" - 40            | 26.6               | 32.4 | 29.0          | 39.9 | 1.6/2.0       | 0.3/0.45            | 20.0          | 32.0                | 1¼" NPT          | 20.5              | 56                    | 56.4    | 61.5    |
| 474NP-27         | 474NP-27V     | 1½" - 40            | 26.6               | 32.4 | 29.0          | 39.9 | 1.6/2.0       | 0.3/0.45            | 20.0          | 32.0                | 1½" NPT          | 21                | 56                    | 56.4    | 61.5    |
| 474NP-28         | 474NP-28V     | 1½" - 50S           | 32.4               | 38.4 | 38.0          | 46.2 | 2.0/2.5       | 0.3/0.45            | 24.0          | 38.0                | 1½" NPT          | 21                | 61                    | 60.0    | 66.0    |
| 474NP-31         | 474NP-31V     | 2" - 50S            | 32.4               | 38.4 | 38.0          | 46.2 | 2.0/2.5       | 0.3/0.45            | 24.0          | 38.0                | 2" NPT           | 22                | 61                    | 65.5    | 72.1    |
| 474NP-32         | 474NP-32V     | 2" - 50             | 38.4               | 44.3 | 39.5          | 52.6 | 2.0/2.5       | 0.3/0.45            | 29.0          | 44.0                | 2" NPT           | 22.0              | 61                    | 70.1    | 77.2    |
| 474NP-33         | 474NP-33V     | 2" - 63S            | 44.3               | 50.3 | 50.0          | 58.9 | 2.5           | 0.3/0.45            | 34.0          | 50.0                | 2" NPT           | 22                | 64                    | 75.0    | 83.0    |
| 474NP-38         | 474NP-38V     | 2½" - 63            | 50.3               | 56.2 | 51.3          | 65.3 | 2.5           | 0.3/0.45            | 42.0          | 56.0                | 2½" NPT          | 32.5              | 64                    | 80.0    | 87.4    |
| 474NP-39         | 474NP-39V     | 2½" - 75S           | 56.2               | 62.2 | 62.0          | 71.6 | 2.5           | 0.3/0.45            | 49.0          | 62.0                | 2½" NPT          | 32.5              | 73                    | 90.2    | 99.1    |
| 474NP-45         | 474NP-45V     | 3" - 75             | 62.2               | 68.1 | 62.5          | 78.0 | 2.5           | 0.3/0.45            | 55.0          | 68.0                | 3" NPT           | 33.5              | 73                    | 98.8    | 109.2   |
| 474NP-47         | 474NP-47V     | 3" - 85             | 68.0               | 74.0 | 68.0          | 88.0 | 3.2           | 0.3/0.45            | 63.0          | 72.0                | 3" NPT           | 33.5              | 102                   | 115.1   | 126.0   |

\*NPT Threaded glands are supplied as glands only.

\*\*Other NPT sizes available upon request.

