

# ADE-6F - for armoured cable

## Technical specification



### Suitable for the following cable types:

- Steel wire armoured cable (SWA)
- Steel wire braided cable (SWB)
- Steel tape armoured cable (STA)
- Braided marine shipboard cable; Type P cable

### With inspectable clamping for wire or braid

Ensures 100% clamping of the armour of armoured cables. With braided cables the user must provide additional clamping, we recommend using the certified ADE clamping module.

### Operating temperature:

-60°C to +80°C

### Material:

Nickel-plated brass for superior corrosion resistance. 316 stainless steel, bronze and aluminum options available. It is recommended that a suitable lubricant is used on all threads of stainless steel and aluminum versions.

### Ingress protection (IP):

IP66 / IP68 according to the method of attachment and the condition of the equipment area, see page 13.  
Equipped with 'deluge' seal.

### Certifications and compliances:

#### ATEX certificate no: INERIS12ATEX0032X

Zones 1 and 2, Groups IIA, IIB and IIC  
Zones 21 and 22, Groups IIIA, IIIB and IIIC

II2GD / Ex db IIC / Ex eb IIC / Ex tb IIIC

II3G Ex nRc IIC

#### IECEx certificate no: IECEx INE 12.0025X

Zones 1 and 2, Groups IIA, IIB and IIC  
Zones 21 and 22, Groups IIIA, IIIB and IIIC  
Ex db IIC / Ex eb IIC / Ex nRc IIC / Ex tb IIIC

### Other certificates:

**CEPEL** 05.0559X

**CCoE** P360379-1

**KOSHA** 2015-BO-0483 to 0490

**NANIO** TC-RU C-FR.ГБ05.В.00858

**NEPSI** GYJ13.1082X

**SABS** MS/15-0314X

### Shipping application:

**ABS** 14-HS1274083-PDA

**BV** 40910/A0 BV

**DNV** TAE000010X

**Lloyds** 11/00072

**DTS-01:1991** compliant

### UL certification:

**3DJN E310130 Class I Zone 2\*, AEx e II, Ex e II**

ADE sizes 4 to 17, NPT 1/2" to 4" or ISO 20 to 110 with armoured cable types ITC, MV, PLTC, TC-ER, TC-ER-HL, TC.

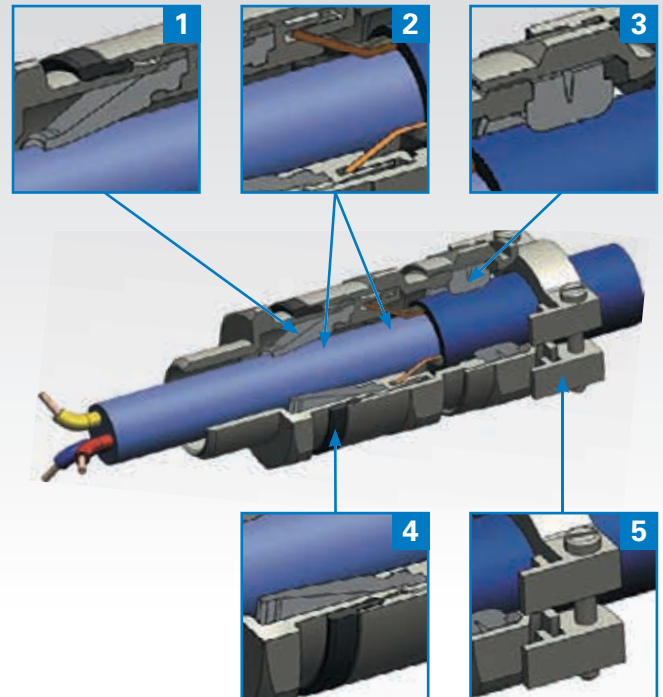
**3LRC E314047 Class I Zone 2\*, AEx e II, Ex e II**

ADE sizes 4 to 17, NPT 1/2" to 4" or ISO 20 to 110 with armoured marine cable.

\* Can be used in Div.2 provided that the enclosure contains no components that produce arcs or sparks.



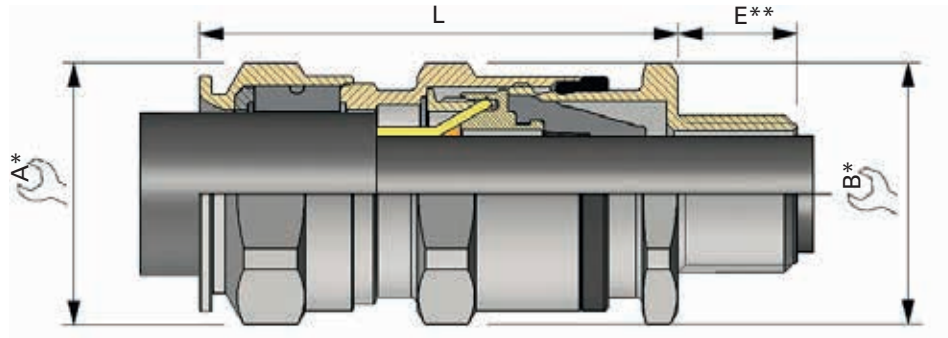
## Features and benefits



- 1:** Specifically formulated diaphragm seal offers cold flow protection when required and sealing on cable inner sheath.
- 2:** Universal clamping design for earthing and bonding of armour shield. Provides mechanical strength and is suitable for all armour shield types, with no requirement to reverse components that may introduce risk of incorrect installation. Fully inspectable.
- 3:** Specifically formulated elastomer for IP sealing on outer sheath of cable.
- 4:** Deluge performance to avoid water ingress through the thread.
- 5:** Additional external cable clamping for strain relief (optional).

# ADE-6F - order codes and dimensions

## Dimensions



\* For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1

\*\* For 'E' see thread dimension page 89

| SERIES | THREAD SIZE | CABLE SEALING RANGE | MATERIAL | OPTION |
|--------|-------------|---------------------|----------|--------|
| ADE6   | M25         | 3                   | NPS      |        |

0 = XS  
1 = S  
2 = M  
3 = L

### CODES

K1 Accessories kit 1  
K2 Accessories kit 2  
K3 Accessories kit 3  
BLANK No option

### KIT OPTIONS

K1 Kit 1 contents:  
• Locknut  
• Green composite washer  
Kit 2 contents:  
• Locknut  
• Green composite washer  
• Earth tag  
• Shroud  
Kit 3 contents:  
• Locknut  
• Green composite washer  
• Earth tag  
• Serrated washer

NPS Nickel-plated brass  
SSS Stainless steel  
BZS Bronze  
ALS Aluminum

| SELECTION TABLE |             |                  |             |                  |                     | DIMENSIONS             |                        |                |    |    |            | ADE GLAND SIZE | CATALOG NUMBER ISO | CATALOG NUMBER NPT |
|-----------------|-------------|------------------|-------------|------------------|---------------------|------------------------|------------------------|----------------|----|----|------------|----------------|--------------------|--------------------|
| SERIES          | THREAD SIZE | THREAD SIZE CODE | THREAD SIZE | THREAD SIZE CODE | CABLE SEALING RANGE | CABLE SEALING RANGE    |                        | ARMOUR MIN-MAX | A  | B  | L (LENGTH) |                |                    |                    |
|                 |             |                  |             |                  |                     | INNER SHEATH MIN - MAX | OUTER SHEATH MIN - MAX |                |    |    |            |                |                    |                    |
| ADE6            | 16*         | M16              | 3/8"        | N038             | 3                   | 3.5 - 7.5              | 7.0 - 12.0             | 0.2 - 0.9      | 19 | 19 | 47.5       | 5              | ADE6M163NPS        | ADE6N0383NPS       |
| ADE6            | 20          | M20              | 1/2"        | N050             | 1                   | 3.5 - 7.5              | 7.0 - 12.0             | 0.2 - 0.9      | 19 | 19 | 47.5       | 5              | ADE6M201NPS        | ADE6N0501NPS       |
| ADE6            | 20          | M20              | 1/2"        | N050             | 2                   | 6.5 - 11.0             | 10.0 - 16.0            | 0.2 - 1.3      | 24 | 24 | 54.5       | 6              | ADE6M202NPS        | ADE6N0502NPS       |
| ADE6            | 20          | M20              | 1/2"        | N050             | 3                   | 9.0 - 14.5             | 13.5 - 21.0            | 0.2 - 1.3      | 30 | 30 | 60.5       | 7              | ADE6M203NPS        | ADE6N0503NPS       |
| ADE6            | 25          | M25              | 3/4"        | N075             | 2                   | 9.0 - 14.5             | 13.5 - 21.0            | 0.2 - 1.3      | 30 | 30 | 60.5       | 7              | ADE6M252NPS        | ADE6N0752NPS       |
| ADE6            | 25          | M25              | 3/4"        | N075             | 3                   | 12.0 - 19.5            | 18.0 - 27.5            | 0.2 - 1.6      | 41 | 41 | 74.0       | 8              | ADE6M253NPS        | ADE6N0753NPS       |
| ADE6            | 32          | M32              | 1"          | N100             | 2                   | 12.0 - 19.5            | 18.0 - 27.5            | 0.2 - 1.6      | 41 | 41 | 74.0       | 8              | ADE6M322NPS        | ADE6N1002NPS       |
| ADE6            | 32          | M32              | 1"          | N100             | 3                   | 17.5 - 26.0            | 23.0 - 34.0            | 0.2 - 1.6      | 48 | 48 | 83.0       | 9              | ADE6M323NPS        | ADE6N1003NPS       |
| ADE6            | 40          | M40              | 1 1/4"      | N125             | 2                   | 17.5 - 26.0            | 23.0 - 34.0            | 0.2 - 1.6      | 48 | 48 | 83.0       | 9              | ADE6M402NPS        | ADE6N1252NPS       |
| ADE6            | 40          | M40              | 1 1/4"      | N125             | 3                   | 23.0 - 33.0            | 29.0 - 41.0            | 0.2 - 2.0      | 55 | 55 | 92.0       | 10             | ADE6M403NPS        | ADE6N1253NPS       |
| ADE6            | 50          | M50              | 1 1/2"      | N150             | 2                   | 23.0 - 33.0            | 29.0 - 41.0            | 0.2 - 2.0      | 55 | 55 | 92.0       | 10             | ADE6M502NPS        | ADE6N1502NPS       |
| ADE6            | 50          | M50              | 2"          | N200             | 3                   | 28.5 - 41.0            | 35.0 - 48.0            | 0.2 - 2.5      | 64 | 64 | 104.0      | 11             | ADE6M503NPS        | ADE6N2003NPS       |

\* Not UL certified. All dimensions in mm. Above catalog numbers are for nickel-plated brass; refer to order code diagram for other options.

For Group I certification, see page 80.