

# ADE-6FC - for armoured cable

Hazardous area cable glands



## 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

Sealing ring and TSC compound provides 100% of cable clamping.

## Certifications and compliances

### • ATEX No. INERIS 12ATEX0032X

Zones 1 and 2, Groups I, 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

IM2 / Ex db I / Ex eb I ; for mining applications

Brass, stainless steel or bronze size 11 to 17; NPT 2" to 4", ISO 50 to 110

### • IECEx No. IECEx INE 12.0025X

Zones 1 and 2, Groups I, 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  
Ex db I / Ex eb I ; for mining applications

Brass, stainless steel or bronze size 11 to 17; NPT 2" to 4", ISO 50 to 110

### • UL: 3DJN E310130 Class I Zone 2, AEx de II, Ex de II

ADE size 5 to 17, NPT 1/2" to 4" or ISO 20 to 110 with armoured cable ITC, MV, PLTC, TC-ER, TC-ER-HL, TC and compound TSC

### • UL: 3DJN E310130 Class I Division 1, Groups A, B, C and D

ADE size 5 to 17, NPT 1/2" to 1 1/4" or ISO 20 to 40 with armoured cable TC-ER-HL and compound TSC

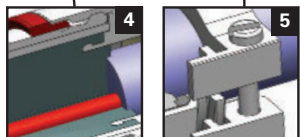
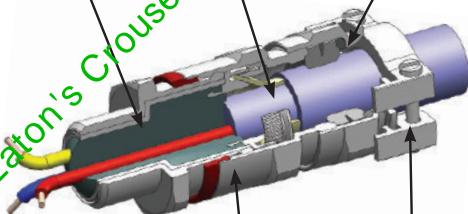
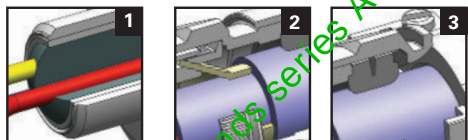
ADE size 5 to 17, NPT 1/2" to 4" or ISO 20 to 110 with armoured cable ITC-HL and compound TSC

### • UL: 3DJN E310130 Class I Division 2, Groups A, B, C and D

ADE size 5 to 17, NPT 1/2" to 4" or ISO 20 to 110 with armoured cable PLTC, PLTC-ER, ITC, ITC-ER, ITC-HL, TC, TC-ER, TC-ER-HL, MV and compound TSC

### • UL: 4EC5 E324850 Class I Division 1, Groups A, B, C and D

ADE size 5 to 17, NPT 1/2" to 4" or ISO 20 to 110 with armoured marine cable and compound TSC



## Other certificates:

CEPEL 05.0559X

CCoE P360379-1

KOSHA 2015-BO-0491 to 0494

NANIO TC-RU C-FR.ГБ05.B.00858

NEPSI GYJ13.1082X

## Shipping applications:

ABS 14-HS1274083-PDA

BV 40910/A0 BV

DNV TAE000010X

Lloyds 11/00072

DTS-01:1991

## Technical specification

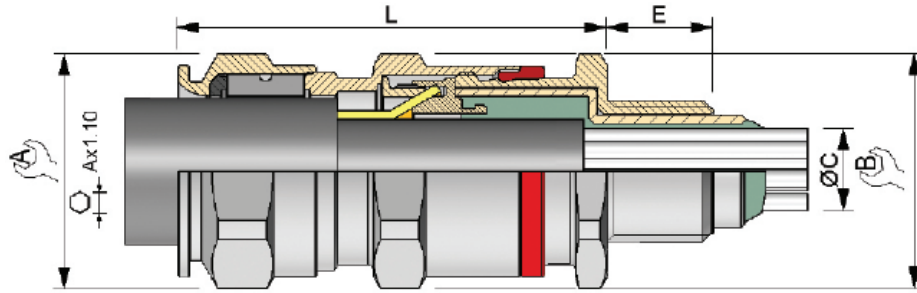
- Nickel-plated brass for superior corrosion resistance. 316L stainless steel, bronze and aluminum options available. It is recommended that a suitable lubricant is used on all threads of stainless steel and aluminum versions
- Temperature range:  
-60 °C to +80 °C
- IP66 / IP68 according to the method of attachment and the condition of the equipment area, see page 2.5
- Equipped with 'deluge' seal

## Features and benefits

- 1: Sealing of cable conductors with compound barrier seal
- 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)

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Hazardous area cable glands



\* For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1  
 \*\* For 'E' see thread dimension page 5.18

| SERIES | THREAD SIZE | CABLE SEALING RANGE | MATERIAL | BARRIER | OPTION | CODES   | OPTIONS   |
|--------|-------------|---------------------|----------|---------|--------|---|---|
| ADE6C  | M25         | 3                   | NP       | SCN     |        | K1 Accessories kit 1<br>K2 Accessories kit 2<br>K3 Accessories kit 3<br>BLANK No option | Kit 1 contents:<br>• Locknut<br>• Green composite washer<br>Kit 2 contents:<br>• Locknut<br>• Green composite washer<br>• Earth tag<br>• Shroud<br>Kit 3 contents:<br>• Locknut<br>• Green composite washer<br>• Earth tag<br>• Serrated washer |

| OPTION | SELECT |
|--------|--------|
| 0 = XS |        |
| 1 = S  |        |
| 2 = M  |        |
| 3 = L  |        |

| CODE | DESCRIPTION         |
|------|---------------------|
| SCN  | Solder compound     |
| NP   | Nickel-plated brass |
| SS   | Stainless steel     |
| BZ   | Bronze              |

## Ordering codes

| SERIES | THREAD SIZE (ISO) | THREAD SIZE (NPT) | CABLE SEALING RANGE | OUTER SHEATH MIN/MAX | Ø MAX OVER CORES | Ø MAX INNER SHEATH | MAX No. CORES | MAX ARMOUR THICKNESS A | B   | L   | ADE GLAND SIZE | CATALOG NUMBER (ISO) | CATALOG NUMBER (NPT) |            |                 |                 |
|--------|-------------------|-------------------|---------------------|----------------------|------------------|--------------------|---------------|------------------------|-----|-----|----------------|----------------------|----------------------|------------|-----------------|-----------------|
|        |                   |                   |                     |                      |                  |                    |               |                        |     |     |                |                      |                      | CONDUCTORS |                 |                 |
| ADE6C  | 16*               | M16               | 3/8**               | N038                 | 3                | 6.0 - 12.0         | 6.5           | 8.0                    | 6   | 0.9 | 19             | 19                   | 47.5                 | 5          | ADE6CM163NPSCN  | ADE6CN038NPSCN  |
| ADE6C  | 20                | M20               | 1/2"                | N050                 | 1                | 8.0 - 12.0         | 6.5           | 8.0                    | 6   | 0.9 | 19             | 24                   | 47.5                 | 5          | ADE6CM201NPSCN  | ADE6CN0501NPSCN |
| ADE6C  | 20                | M20               | 1/2"                | N050                 | 2                | 8.5 - 16.0         | 9.5           | 12.0                   | 6   | 1.2 | 24             | 24                   | 54.5                 | 6          | ADE6CM202NPSCN  | ADE6CN0502NPSCN |
| ADE6C  | 20                | M20               | 1/2"                | N050                 | 3                | 12.0 - 21.0        | 12.0          | 16.0                   | 10  | 1.2 | 30             | 30                   | 60.5                 | 7          | ADE6CM203NPSCN  | ADE6CN0503NPSCN |
| ADE6C  | 25                | M25               | 3/4"                | N075                 | 2                | 12.0 - 21.0        | 12.0          | 16.0                   | 10  | 1.2 | 30             | 30                   | 60.5                 | 7          | ADE6CM252NPSCN  | ADE6CN0752NPSCN |
| ADE6C  | 25                | M25               | 3/4"                | N075                 | 3                | 16.0 - 27.5        | 17.0          | 21.0                   | 21  | 1.6 | 41             | 41                   | 74.0                 | 8          | ADE6CM253NPSCN  | ADE6CN0753NPSCN |
| ADE6C  | 32                | M32               | 1"                  | N100                 | 2                | 16.0 - 27.5        | 17.0          | 21.0                   | 21  | 1.6 | 41             | 41                   | 74.0                 | 8          | ADE6CM322NPSCN  | ADE6CN1002NPSCN |
| ADE6C  | 32                | M32               | 1"                  | N100                 | 3                | 21.0 - 34.0        | 23.0          | 27.5                   | 42  | 1.6 | 48             | 48                   | 83.0                 | 9          | ADE6CM323NPSCN  | ADE6CN1003NPSCN |
| ADE6C  | 40                | M40               | 1 1/4"              | N125                 | 2                | 21.0 - 34.0        | 23.0          | 27.5                   | 42  | 1.6 | 48             | 48                   | 83.0                 | 9          | ADE6CM402NPSCN  | ADE6CN1252NPSCN |
| ADE6C  | 40                | M40               | 1 1/4"              | N125                 | 3                | 27.0 - 41.0        | 29.0          | 34.0                   | 60  | 2.0 | 55             | 55                   | 92.0                 | 10         | ADE6CM403NPSCN  | ADE6CN1253NPSCN |
| ADE6C  | 50                | M50               | 1 1/2"              | N150                 | 2                | 27.0 - 41.0        | 29.0          | 34.0                   | 60  | 2.0 | 55             | 55                   | 92.0                 | 10         | ADE6CM502NPSCN  | ADE6CN1502NPSCN |
| ADE6C  | 50                | M50               | 2"                  | N200                 | 1                | 33.0 - 48.0        | 36.5          | 41.0                   | 80  | 2.5 | 64             | 64                   | 104.0                | 11         | ADE6CM501NPSCN  | ADE6CN2001NPSCN |
| ADE6C  | 63                | M63               | 2"                  | N200                 | 2                | 40.0 - 56.0        | 43.0          | 48.0                   | 100 | 2.5 | 72             | 72                   | 108.0                | 12         | ADE6CM632NPSCN  | ADE6CN2002NPSCN |
| ADE6C  | 63                | M63               | 2"                  | N200                 | 3                | 46.0 - 65.0        | 50.0          | 56.0                   | 100 | 2.5 | 85             | 85                   | 118.0                | 13         | ADE6CM633NPSCN  | ADE6CN2003NPSCN |
| ADE6C  | 75                | M75               | 2 1/2"              | N250                 | 2                | 46.0 - 65.0        | 50.0          | 56.0                   | 100 | 2.5 | 85             | 85                   | 118.0                | 13         | ADE6CM752NPSCN  | ADE6CN2502NPSCN |
| ADE6C  | 75                | M75               | 2 1/2"              | N250                 | 3                | 54.0 - 74.0        | 59.0          | 65.0                   | 120 | 2.5 | 95             | 95                   | 124.0                | 14         | ADE6CM753NPSCN  | ADE6CN2503NPSCN |
| ADE6C  | -                 | -                 | 3"                  | N300                 | 1                | 54.0 - 74.0        | 59.0          | 65.0                   | 120 | 2.5 | 95             | 95                   | 124.0                | 14         | -               | ADE6CN3001NPSCN |
| ADE6C  | 90                | M90               | 3"                  | N300                 | 2                | 63.0 - 83.0        | 66.0          | 73.0                   | 140 | 3.1 | 110            | 110                  | 133.0                | 15         | ADE6CM902NPSCN  | ADE6CN3002NPSCN |
| ADE6C  | -                 | -                 | 3 1/2"              | N350                 | 2                | 63.0 - 83.0        | 66.0          | 73.0                   | 140 | 3.1 | 110            | 110                  | 133.0                | 15         | -               | ADE6CN3502NPSCN |
| ADE6C  | 90                | M90               | 3"                  | N300                 | 3                | 72.0 - 93.0        | 75.0          | 82.0                   | 140 | 3.1 | 120            | 120                  | 137.0                | 16         | ADE6CM903NPSCN  | ADE6CN3003NPSCN |
| ADE6C  | -                 | -                 | 3 1/2"              | N350                 | 3                | 72.0 - 93.0        | 75.0          | 82.0                   | 140 | 3.1 | 120            | 120                  | 137.0                | 16         | -               | ADE6CN3503NPSCN |
| ADE6C  | 110               | M110              | 4"                  | N400                 | 3                | 85.0 - 104.0       | 85.0          | 92.0                   | 200 | 3.5 | 135            | 135                  | 142.0                | 17         | ADE6CM1103NPSCN | ADE6CN4003NPSCN |

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

All dimensions in mm.