

# ADE-5F - 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
- Lead sheathed cable (with addition of earthing washer)

With inspectable clamping for wire or braid

Double seal provides 100% of cable clamping, including braided cables.

## 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 or bronze size 8 to 17; NPT 3/4" to 4", ISO 25 to 110

Stainless steel size 4 to 17; NPT 3/8" to 4", ISO 16 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 or bronze size 8 to 17; NPT 3/4" to 4", ISO 25 to 110

Stainless steel size 4 to 17; NPT 3/8" to 4", ISO 16 to 110

### • UL: 3DJN E310130 Class I Zone 2\*, AEx e II, Ex e II

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

### • UL: 3LRC E314047 Class I Zone 2\*, AEx e II, Ex e II

⚡ ADE size 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.



## 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 applications:

ABS 14-HS1274083-PDA

BV 40910/A0 BV

DNV TAE000010X

Lloyds 11/00072

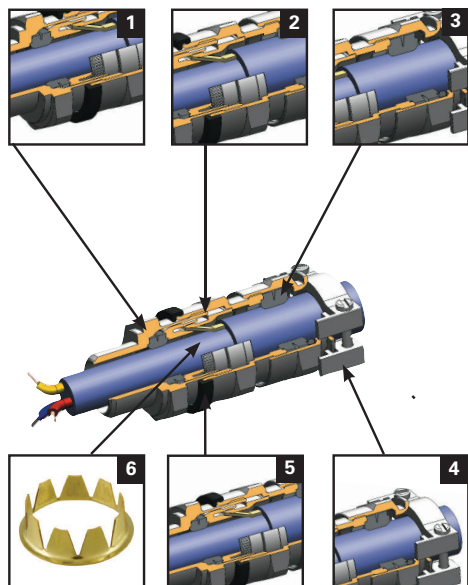
DTS-01:1991

## 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 +140 °C
- IP66 / IP68 according to the method of attachment and the condition of the equipment area, see page 2.5

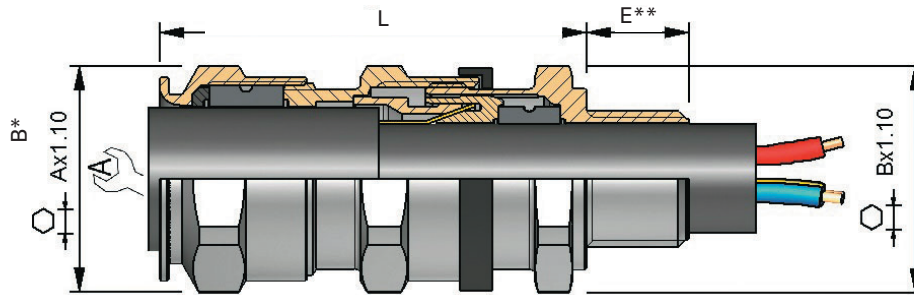
## Features and benefits

- 1: Specifically formulated elastomer for flame path sealing on inner sheath of cable
- 2: Anti-rotation feature providing simplified inspectability of armour clamping and grounding system
- 3: Specifically formulated elastomer for IP sealing on outer sheath of cable
- 4: Additional external cable clamping for strain relief (optional)
- 5: Additional deluge seal available for ADE-5F gland sizes No.12 to No.17
- 6: Suitable for lead sheath cable with installation of simple washer (optional)



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\* 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	OPTION
ADE5	M25	3	NPN	

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

### CODES

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

- NPN Nickel-plated brass
- SSN Stainless steel
- BZN Bronze
- ALN Aluminum (not Group I)

### KIT OPTIONS

- K1** Kit 1 contents:
  - Locknut
  - Green composite washer
- K2** Kit 2 contents:
  - Locknut
  - Green composite washer
  - Earth tag
  - Shroud
- K3** Kit 3 contents:
  - Locknut
  - Green composite washer
  - Earth tag
  - Serrated washer

When the "DTS" prefix is specified before the "K" of the kit option, a deluge ring will be included. The deluge rings are available for sizes 12-17 only. (Ex: ADE5N2003NPNDTSK1)

### Ordering codes

SERIES	THREAD SIZE (ISO)	THREAD SIZE CODE (ISO)	THREAD SIZE (NPT)(NPT)	THREAD SIZE CODE (NPT)	CABLE SEALING RANGE	CABLE SEALING RANGE	INNER SHEATH MIN - MAX	OUTER SHEATH MIN - MAX	ARMOUR MIN - MAX	A	B	L	ADE GLAND SIZE	CATALOG NUMBER (ISO)	CATALOG NUMBER (NPT)
ADE5	12*	M12	1/4**	N025	3	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	19	55.0	5	ADE5M123NPN	ADE5N0253NPN	
ADE5	16*	M16	3/8**	N038	2	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	19	55.0	5	ADE5M162NPN	ADE5N0382NPN	
ADE5	16*	M16	3/8**	N038	3	7.0 - 12.0	10.0 - 16.0	0.2 - 1.2	24	24	57.0	6	ADE5M163NPN	ADE5N0383NPN	
ADE5	20	M20	1/2"	N050	1	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	24	55.0	5	ADE5M201NPN	ADE5N0501NPN	
ADE5	20	M20	1/2"	N050	2	7.0 - 12.0	10.0 - 16.0	0.2 - 1.2	24	24	57.0	6	ADE5M202NPN	ADE5N0502NPN	
ADE5	20	M20	1/2"	N050	3	10.0 - 15.5	13.5 - 21.0	0.2 - 1.2	30	30	64.0	7	ADE5M203NPN	ADE5N0503NPN	
ADE5	25	M25	3/4"	N075	1	7.0 - 12.0	10.0 - 16.0	0.2 - 1.2	24	30	57.0	6	ADE5M251NPN	ADE5N0751NPN	
ADE5	25	M25	3/4"	N075	2	10.0 - 15.5	13.5 - 21.0	0.2 - 1.2	30	30	64.0	7	ADE5M252NPN	ADE5N0752NPN	
ADE5	25	M25	3/4"	N075	3	13.5 - 20.5	18.0 - 27.5	0.2 - 1.6	41	41	75.0	8	ADE5M253NPN	ADE5N0753NPN	
ADE5	32	M32	1"	N100	2	13.5 - 20.5	18.0 - 27.5	0.2 - 1.6	41	41	75.0	8	ADE5M322NPN	ADE5N1002NPN	
ADE5	32	M32	1"	N100	3	18.0 - 26.0	23.0 - 34.0	0.2 - 1.6	48	48	83.0	9	ADE5M323NPN	ADE5N1003NPN	
ADE5	40	M40	1 1/4"	N125	2	18.0 - 27.5	23.0 - 34.0	0.2 - 1.6	48	48	83.0	9	ADE5M402NPN	ADE5N1252NPN	
ADE5	40	M40	1 1/4"	N125	3	23.0 - 34.0	29.0 - 41.0	0.2 - 2.0	55	55	90.0	10	ADE5M403NPN	ADE5N1253NPN	
ADE5	50	M50	1 1/2"	N150	2	23.0 - 34.0	29.0 - 41.0	0.2 - 2.0	55	55	90.0	10	ADE5M502NPN	ADE5N1502NPN	
ADE5	50	M50	1 1/2"	N150	3	29.0 - 41.0	35.0 - 48.0	0.2 - 2.5	64	64	99.0	11	ADE5M503NPN	ADE5N1503NPN	
ADE5	63	M63	2"	N200	2	35.0 - 48.0	42.0 - 56.0	0.2 - 2.5	72	72	108.0	12	ADE5M632NPN	ADE5N2002NPN	
ADE5	63	M63	2"	N200	3	42.0 - 53.0	50.0 - 65.0	0.2 - 2.5	85	85	120.0	13	ADE5M633NPN	ADE5N2003NPN	
ADE5	75	M75	2 1/2"	N250	2	42.0 - 56.0	50.0 - 65.0	0.2 - 2.5	85	85	120.0	13	ADE5M752NPN	ADE5N2502NPN	
ADE5	75	M75	2 1/2"	N250	3	50.0 - 62.5	58.0 - 74.0	0.2 - 2.5	95	95	128.0	14	ADE5M753NPN	ADE5N2503NPN	
ADE5	90	M90	3"	N300	2	58.0 - 74.0	66.0 - 83.0	0.2 - 3.1	110	110	150.0	15	ADE5M902NPN	ADE5N3002NPN	
ADE5	90	M90	3"	N300	3	66.0 - 78.0	75.0 - 93.0	0.2 - 3.1	120	120	160.0	16	ADE5M903NPN	ADE5N3003NPN	
ADE5	110	M110	4"	N400	3	75.0 - 93.0	85.0 - 104.0	0.2 - 3.5	135	135	172.0	17	ADE5M1103NPN	ADE5N4003NPN	

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