

ADE-1F2 DS - for non-armoured cable

Hazardous area cable glands



Suitable for the following cable types:

- Non-armoured cable
 - Marine shipboard cable; Type P cable
 - Tray cable: TC
- Double seal 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 or bronze size 8 to 17; NPT 1" to 4", ISO 32 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 1" to 4", ISO 32 to 110

Stainless steel size 8 to 17; NPT 1" to 4", ISO 32 to 110

• UL: 3DJN E310130 Class I Zone 1*, AEx e II

Ⓔ ADE size 3 to 8, NPT 1/2" to 1 1/4" or ISO 20 to 40 with non-armoured cable
TC-ER-HL up to 1" diameter

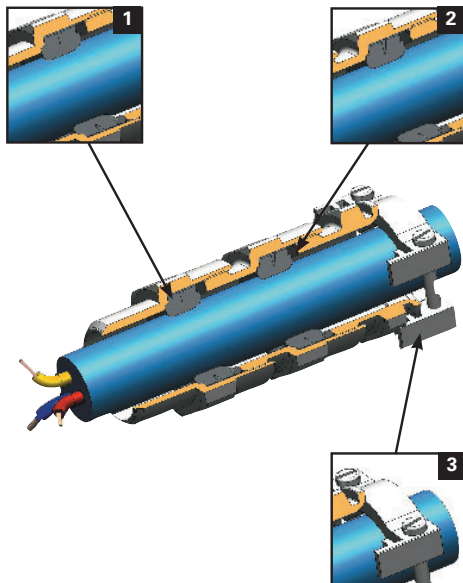
• UL: 3DJN E310130 Class I Zone 2*, AEx e II, Ex e II

Ⓔ ADE size 3 to 17, NPT 1/2" to 4" or ISO 20 to 110 with non-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 3 to 17, NPT 1/2" to 4" or ISO 20 to 110 with non-armoured marine cable

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



Other certificates:

CEPEL 05.0558X

CCoE P360379-1

KOSHA 2015-BO-0249 to 0256

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

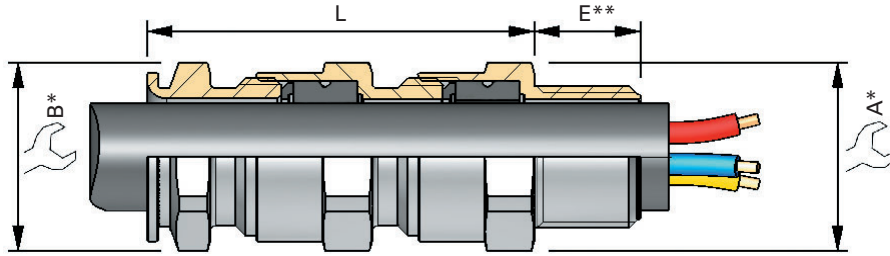
- Nickel-plated brass for superior corrosion resistance. 316L stainless steel, bronze and aluminum options available. It is recommended that a suitable lubricant is used on all threads of stainless steel and aluminum versions.
- Temperature range: -60 °C to +140 °C
- IP66 / IP68 according to the method of attachment and the condition of the equipment area, see page 2.5

Features and benefits

- 1: Flameproof and sealing on outer sheath of the cable
- 2: Environmental sealing and controlled pulling resistance on outer sheath of the cable.
- 3: Additional clamping for strain relief (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
ADE2	M25	3	NPN	

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

SELECT

SELECT

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

Ordering codes

SERIES	THREAD SIZE (ISO)	THREAD SIZE CODE (ISO)	THREAD SIZE (NPT)	THREAD SIZE CODE (NPT)	CABLE SEALING RANGE	CABLE SEALING RANGE ISO (NPT) OUTER SHEATH MIN - MAX	A	B	L	ADE GLAND SIZE	CATALOG NUMBER (ISO)	CATALOG NUMBER (NPT)
ADE2	12*	M12	-	-	3	4.5 - 7.0	17	17	42.0	4	ADE2M123NPN	-
ADE2	16*	M16	-	-	2	4.5 - 8.5	17	19	42.0	4	ADE2M162NPN	-
ADE2	16*	M16	-	-	3	7.0 - 12.0	19	19	47.0	5	ADE2M163NPN	-
ADE2	20	M20	1/2"	N050	0	2.7 - 5.5	15	24	42.0	3	ADE2M200NPN	ADE2N0500NPN
ADE2	20	M20	1/2"	N050	1	4.5 - 8.5	17	24	42.0	4	ADE2M201NPN	ADE2N0501NPN
ADE2	20	M20	1/2"	N050	2	7.0 - 12.0	19	24	47.0	5	ADE2M202NPN	ADE2N0502NPN
ADE2	20	M20	1/2"	N050	3	10.0 - 16.0 (15.5)	24	24	54.0	6	ADE2M203NPN	ADE2N0503NPN
ADE2	25	M25	3/4"	N075	1	7.0 - 12.0	19	30	47.0	5	ADE2M251NPN	ADE2N0751NPN
ADE2	25	M25	3/4"	N075	2	10.0 - 16.0	24	30	54.0	6	ADE2M252NPN	ADE2N0752NPN
ADE2	25	M25	3/4"	N075	3	13.5 - 20.5	30	30	63.0	7	ADE2M253NPN	ADE2N0753NPN
ADE2	32	M32	1"	N100	3	18.0 - 27.5 (26.0)	41	41	79.0	8	ADE2M323NPN	ADE2N1003NPN
ADE2	40	M40	1 1/4"	N125	3	23.0 - 34.0	48	48	86.0	9	ADE2M403NPN	ADE2N1253NPN
ADE2	50	M50	1 1/2"	N150	1	29.0 - 41.0	55	55	90.0	10	ADE2M501NPN	ADE2N1501NPN
ADE2	-	-	2"	N200	2	35.0 - 48.0	64	64	90.0	11	-	ADE2N2002NPN
ADE2	50	M50	-	-	2	35.0 - 45.0	64	64	99.0	11	ADE2M502NPN	-
ADE2	63	M63	2"	N200	3	42.0 - 56.0 (53.0)	72	72	106.0	12	ADE2M633NPN	ADE2N2003NPN
ADE2	75	M75	2 1/2"	N250	3	50.0 - 65.0 (62.5)	85	85	119.0	13	ADE2M753NPN	ADE2N2503NPN
ADE2	90	M90	3"	N300	2	58.0 - 74.0	95	95	123.0	14	ADE2M902NPN	ADE2N3002NPN
ADE2	90	M90	3"	N300	3	66.0 - 83.0 (78.0)	110	110	139.0	15	ADE2M903NPN	ADE2N3003NPN
ADE2	110	M110	3 1/2"	N350	2	75.0 - 93.0 (92.0)	120	120	139.0	16	ADE2M1102NPN	ADE2N3502NPN
ADE2	110	M110	4"	N400	3	85.0 - 104.0	135	135	156.0	17	ADE2M1103NPN	ADE2N4003NPN

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

All dimensions in mm.