

ADE-1F2 DS double seal - for non-armoured cable

Technical specification



Suitable for the following cable types:

- Non-armoured cable
- Marine shipboard cable; Type P cable
- Tray cable

Double seal provides 100% of cable clamping

Operating temperature:

-60°C to +140°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.

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

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

Brass or bronze: ADE sizes 8 to 17; 1" to 4" NPT, ISO 32 to 110

Stainless steel: ADE sizes 8 to 17; 3/8" to 4" NPT, ISO 16 to 110

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

Ex db I / Ex eb I ; For mining applications

Brass or bronze: ADE sizes 8 to 17; 1" to 4" NPT, ISO 32 to 110

Stainless steel: ADE sizes 8 to 17; 1" to 4" NPT, ISO 32 to 110

Other certificates:

CEPEL 05.0558X

CCoE P360379-1

KOSHA 2015-BO-0249 to 0256

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 1*, AEx e II

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

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

ADE sizes 3 to 17, NPT 1/2" to 4" or ISO 20 to 110 with non-armoured cable types ITC, MV, PLTC, TC-ER, TC-ER-HL, TC.

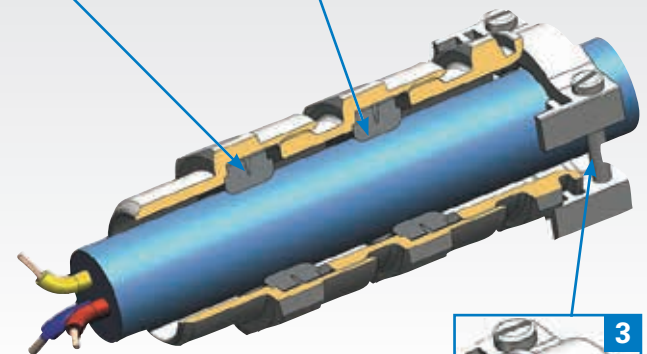
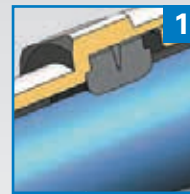
3LRC E314047 Class I Zone 2*, AEx e II, Ex e II

ADE sizes 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.



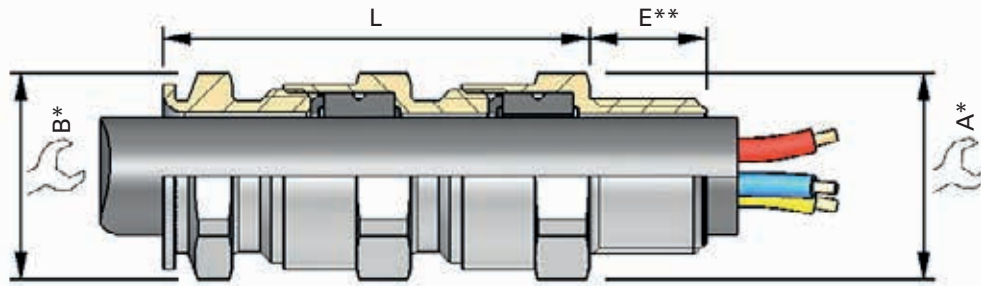
Features and benefits



- 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).

ADE-1F2 DS - 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
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
Kit 2 contents:
• Locknut
• Green composite washer
• Earth tag
• Shroud
Kit 3 contents:
• Locknut
• Green composite washer
• Earth tag
• Serrated washer

SELECTION TABLE

SERIES	THREAD SIZE	THREAD SIZE CODE	THREAD SIZE	THREAD SIZE CODE	CABLE SEALING RANGE	DIMENSIONS			ADE GLAND SIZE	CATALOG NUMBER ISO	CATALOG NUMBER NPT		
						CABLE SEALING RANGE ISO/(NPT)		L (LENGTH)					
						OUTER SHEATH MIN - MAX							
ADE2	12	M12*	-	-	3	4.5 - 8.0		17	17	42	4	ADE2M123NPN	-
ADE2	16	M16*	-	-	2	4.5 - 8.5		17	19	42	4	ADE2M162NPN	-
ADE2	16	M16*	-	-	3	7.0 - 12.0		19	19	47	5	ADE2M163NPN	-
ADE2	20	M20	1/2"	N050	0	2.7 - 5.5		15	24	42	3	ADE2M200NPN	ADE2N0500NPN
ADE2	20	M20	1/2"	N050	1	4.5 - 8.5		17	24	42	4	ADE2M201NPN	ADE2N0501NPN
ADE2	20	M20	1/2"	N050	2	7.0 - 12.0		19	24	47	5	ADE2M202NPN	ADE2N0502NPN
ADE2	20	M20	1/2"	N050	3	10.0 - 16.0 (15.5)		24	24	54	6	ADE2M203NPN	ADE2N0503NPN
ADE2	25	M25	3/4"	N075	1	7.0 - 12.0		19	30	47	5	ADE2M251NPN	ADE2N0751NPN
ADE2	25	M25	3/4"	N075	2	10.0 - 16.0		24	30	54	6	ADE2M252NPN	ADE2N0752NPN
ADE2	25	M25	3/4"	N075	3	13.5 - 20.5		30	30	63	7	ADE2M253NPN	ADE2N0753NPN
ADE2	32	M32	1"	N100	3	18.0 - 27.5 (26.0)		41	41	79	8	ADE2M323NPN	ADE2N1003NPN
ADE2	40	M40	1 1/4"	N125	3	23.0 - 34.0		48	48	86	9	ADE2M403NPN	ADE2N1253NPN
ADE2	50	M50	1 1/2"	N150	2	29.0 - 41.0		55	55	90	10	ADE2M502NPN	ADE2N1502NPN
ADE2	-	-	2"	N200	2	35.0 - 48.0		64	64	90	11	-	ADE2N2002NPN
ADE2	50	M50	-	-	3	35.0 - 45.0		64	64	99	11	ADE2M503NPN	-
ADE2	63	M63	2"	N200	3	42.0 - 56.0 (53.0)		72	72	106	12	ADE2M633NPN	ADE2N2003NPN
ADE2	75	M75	2 1/2"	N250	3	50.0 - 65.0 (62.5)		85	85	119	13	ADE2M753NPN	ADE2N2503NPN
ADE2	90	M90	3"	N300	2	58.0 - 74.0		95	95	123	14	ADE2M902NPN	ADE2N3002NPN
ADE2	90	M90	3"	N300	3	66.0 - 83.0 (78.0)		110	110	139	15	ADE2M903NPN	ADE2N3003NPN
ADE2	110	M110	3 1/2"	N350	2	75.0 - 93.0 (92.0)		120	120	139	16	ADE2M1102NPN	ADE2N3502NPN
ADE2	110	M110	4"	N400	3	85.0 - 104.0		135	135	156	17	ADE2M1103NPN	ADE2N4003NPN

* 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.