

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 2*, 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, PLT, 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.В.00858

NEPSI GYJ13.1082X

Shipping applications:

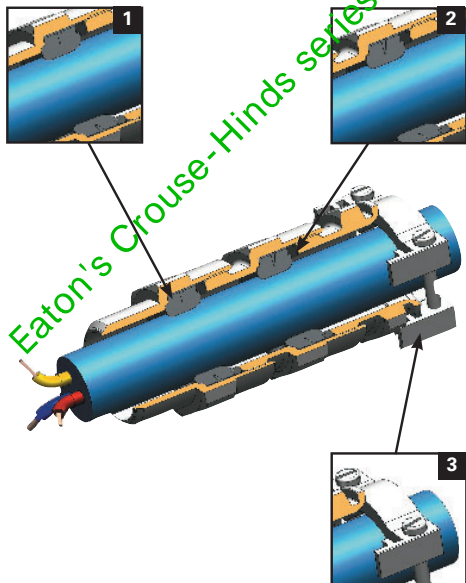
ABS 14-HS1274083-PDA

BV 40910/A0 BV

DNV TAE000010X

Lloyds 11/00072

DTS-01:1991



Technical specification

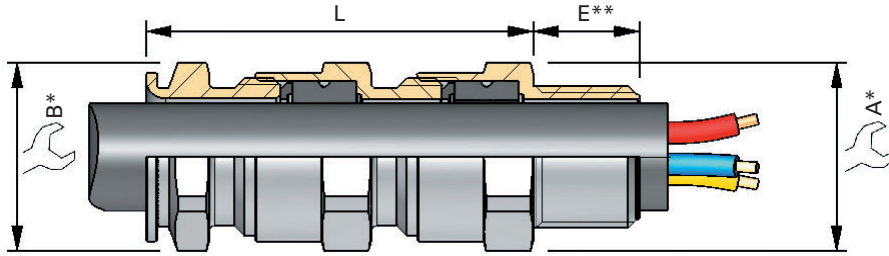
- Nickel-plated brass for superior corrosion resistance. 316L stainless steel, bronze and aluminum options available. It is recommended that a suitable lubricant is used on all threads of stainless steel and aluminum versions.
- Temperature range: -60 °C to +140 °C
- IP66 / IP68 according to the method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

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

Kit 1 contents:	
K1	• Locknut
	• Green composite washer
Kit 2 contents:	
K2	• Locknut
	• Green composite washer
	• Earth tag
	• Shroud
Kit 3 contents:	
K3	• 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)			ADE GLAND SIZE	CATALOG NUMBER (ISO)	CATALOG NUMBER (NPT)	
						OUTER SHEATH MIN - MAX	A	B				L
ADE2	12*	M12	-	-	3	4.5 - 7.0	17	17	42.0	4	ADE2M123NPN	-
ADE2	16*	M16	-	-	3	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	50	M50	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.