

ADE-4F - for armoured cable

Hazardous area cable glands



Malux
solutions



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

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-0245 to 0248

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

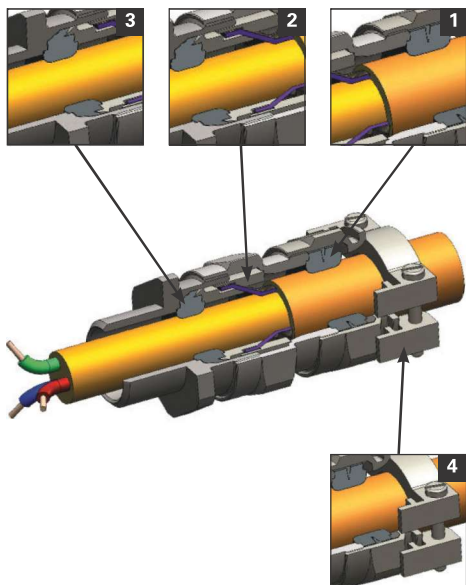
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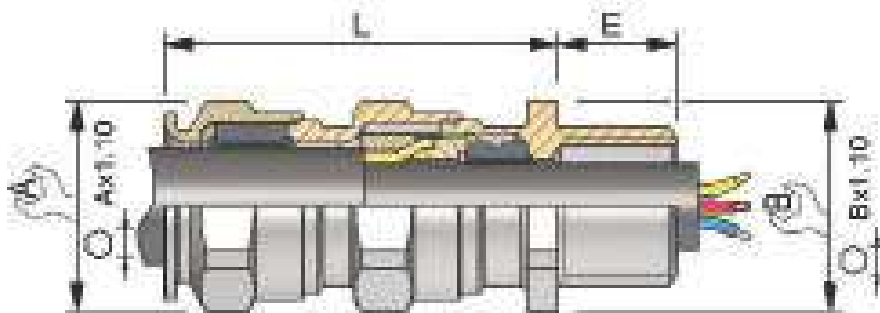
Technical specification

- 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 IP sealing on outer sheath of cable
- 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.
- 3: Specifically formulated elastomer for flame path sealing on inner sheath of the cable.
- 4: Additional external cable clamping for strain relief (optional)





* 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	CODES		KIT OPTIONS	
ADE4	M25	3	NPN		K1	Accessories kit 1	K1	Kit 1 contents:
					K2	Accessories kit 2		• Locknut
					K3	Accessories kit 3		• Green composite washer
					BLANK	No option		Kit 2 contents:
							K2	• Locknut
								• Green composite washer
								• Earth tag
								• Shroud
								Kit 3 contents:
							K3	• Locknut
								• Green composite washer
								• Earth tag
								• Serrated washer

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

Ordering codes

SERIES	THREAD SIZE (ISO)	THREAD SIZE CODE (ISO)	THREAD SIZE (NPT)	THREAD SIZE CODE (NPT)	CABLE SEALING RANGE	CABLE SEALING RANGE			A	B	L	ADE GLAND SIZE	CATALOG NUMBER (ISO)	CATALOG NUMBER (NPT)
						INNER SHEATH MIN - MAX	OUTER SHEATH MIN - MAX	ARMOUR MIN - MAX						
ADE4	12"	M12	1/4"	N025	3	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	19	46.0	5	ADE4M123NPN	ADE4N0253NPN
ADE4	16"	M16	3/8"	N038	1	2.8 - 5.5	4.5 - 8.5	0.2 - 0.9	17	19	41.0	4	ADE4M161NPN	ADE4N0381NPN
ADE4	16"	M16	3/8"	N038	2	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	19	46.0	5	ADE4M162NPN	ADE4N0382NPN
ADE4	16"	M16	3/8"	N038	3	7.0 - 12.0	10.0 - 16.0	0.2 - 1.3	24	24	51.0	6	ADE4M163NPN	ADE4N0383NPN
ADE4	20	M20	1/2"	N050	0	2.8 - 5.5	4.5 - 8.5	0.2 - 0.9	17	24	41.0	4	ADE4M200NPN	ADE4N0500NPN
ADE4	20	M20	1/2"	N050	1	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	24	46.0	5	ADE4M201NPN	ADE4N0501NPN
ADE4	20	M20	1/2"	N050	2	7.0 - 12.0	10.0 - 16.0	0.2 - 1.3	24	24	51.0	6	ADE4M202NPN	ADE4N0502NPN
ADE4	20	M20	1/2"	N050	3	10.0 - 15.5	13.5 - 21.0	0.2 - 1.3	30	30	57.5	7	ADE4M203NPN	ADE4N0503NPN
ADE4	25	M25	3/4"	N075	1	7.0 - 12.0	10.0 - 16.0	0.2 - 1.3	24	30	51.0	6	ADE4M251NPN	ADE4N0751NPN
ADE4	25	M25	3/4"	N075	2	10.0 - 15.5	13.5 - 21.0	0.2 - 1.3	30	30	57.5	7	ADE4M252NPN	ADE4N0752NPN
ADE4	25	M25	3/4"	N075	3	13.5 - 20.5	18.0 - 27.5	0.2 - 1.6	41	41	68.0	8	ADE4M253NPN	ADE4N0753NPN
ADE4	32	M32	1"	N100	2	13.5 - 21.0	18.0 - 27.5	0.2 - 1.6	41	41	68.0	8	ADE4M322NPN	ADE4N1002NPN
ADE4	32	M32	1"	N100	3	18.0 - 26.0	23.0 - 34.0	0.2 - 1.6	48	48	76.0	9	ADE4M323NPN	ADE4N1003NPN
ADE4	40	M40	1 1/4"	N125	2	18.0 - 27.5	23.0 - 34.0	0.2 - 1.6	48	48	76.0	9	ADE4M402NPN	ADE4N1252NPN
ADE4	40	M40	1 1/4"	N125	3	23.0 - 34.0	29.0 - 41.0	0.2 - 2.0	55	55	88.0	10	ADE4M403NPN	ADE4N1253NPN
ADE4	50	M50	1 1/2"	N150	2	23.0 - 34.0	29.0 - 41.0	0.2 - 2.0	55	55	88.0	10	ADE4M502NPN	ADE4N1502NPN
ADE4	50	M50	1 1/2"	N150	3	29.0 - 41.0	35.0 - 48.0	0.2 - 2.5	64	64	97.0	11	ADE4M503NPN	ADE4N1503NPN
ADE4	63	M63	2"	N200	2	35.0 - 48.0	42.0 - 56.0	0.2 - 2.5	72	72	102.0	12	ADE4M632NPN	ADE4N2002NPN
ADE4	63	M63	2"	N200	3	42.0 - 53.0	50.0 - 65.0	0.2 - 2.5	85	85	117.0	13	ADE4M633NPN	ADE4N2003NPN
ADE4	75	M75	2 1/2"	N250	2	42.0 - 56.0	50.0 - 65.0	0.2 - 2.5	85	85	117.0	13	ADE4M752NPN	ADE4N2502NPN
ADE4	75	M75	2 1/2"	N250	3	50.0 - 62.5	58.0 - 74.0	0.2 - 2.5	95	95	124.0	14	ADE4M753NPN	ADE4N2503NPN
ADE4	90	M90	3"	N300	1	58.0 - 74.0	66.0 - 83.0	0.2 - 3.2	110	110	133.0	15	ADE4M901NPN	ADE4N3001NPN
ADE4	90	M90	3"	N300	2	66.0 - 78.0	75.0 - 93.0	0.2 - 3.2	120	120	140.0	16	ADE4M902NPN	ADE4N3002NPN
ADE4	-	-	3 1/2"	N350	2	66.0 - 82.0	85.0 - 104.0	0.2 - 3.5	135	135	150.0	16/17	-	ADE4N3502NPN
ADE4	90	M90			3	66.0 - 83.0	85.0 - 104.0	0.2 - 3.5	135	135	150.0	16/17	ADE4M903NPN	-
ADE4	-	-	3 1/2"	N350	3	75.0 - 88.0	85.0 - 104.0	0.2 - 3.5	135	135	150.0	17	-	ADE4N3503NPN
ADE4	110	M110	4"	N400	3	75.0 - 93.0	85.0 - 104.0	0.2 - 3.5	135	135	150.0	17	ADE4M1103NPN	ADE4N4003NPN

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

All dimensions in mm.