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ADE-6F - for armoured cable

Technical specification

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

With inspectable clamping for wire or braid
Ensures 100% clamping of the armour of armoured cables. With braided cables the user must provide additional clamping, we recommend using the certified ADE clamping module.

Operating temperature:
-60°C to +80°C

Material:
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.

Ingress protection (IP):
IP66 / IP68 according to the method of attachment and the condition of the equipment area, see page 13.
Equipped with 'deluge' seal.

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

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

Other certificates:
CEPEL 05.0559X
CCoE P360379-1
KOSHA 2015-BO-0483 to 0490
NANIO TC-RU C-FR.ГБ05.B.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

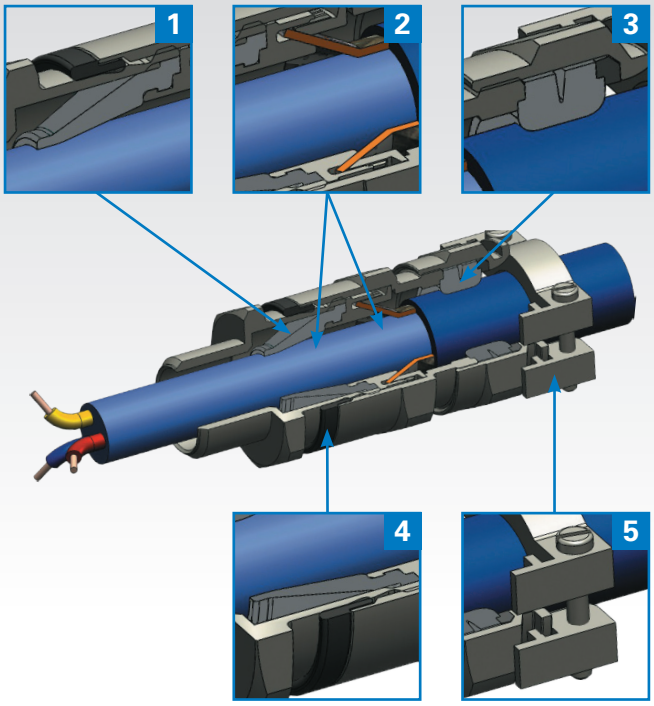
UL certification:

3DJN E310130 Class I Zone 2*, AEx e II, Ex e II
ADE sizes 4 to 17, NPT 1/2" to 4" or ISO 20 to 110 with 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 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.

Features and benefits



1: Specifically formulated diaphragm seal offers cold flow protection when required and sealing on cable inner sheath.

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. Fully inspectable.

3: Specifically formulated elastomer for IP sealing on outer sheath of cable.

4: Deluge performance to avoid water ingress through the thread.

5: Additional external cable clamping for strain relief (optional).

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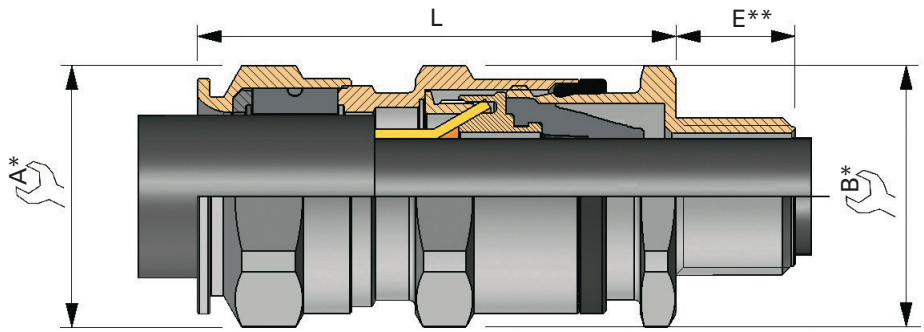
ADE-6F - order codes and dimensions

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
ADE6	M25	3	NPS	

SELECT

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

NPS	Nickel-plated brass
SSS	Stainless steel
BZS	Bronze
ALS	Aluminum

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

SELECTION TABLE						DIMENSIONS								
SERIES	THREAD SIZE ISO	THREAD SIZE CODE ISO	THREAD SIZE NPT	THREAD SIZE CODE NPT	CABLE SEALING RANGE	CABLE SEALING RANGE INNER SHEATH MIN - MAX	CABLE SEALING RANGE OUTER SHEATH MIN - MAX	ARMOUR MIN-MAX	A	B	L (LENGTH)	ADE GLAND SIZE	CATALOG NUMBER ISO	CATALOG NUMBER NPT
ADE6	16*	M16	3/8"*	N038	3	3.5 - 7.5	7.0 - 12.0	0.2 - 0.9	19	19	47.5	5	ADE6M163NPS	ADE6N0383NPS
ADE6	20	M20	1/2"	N050	1	3.5 - 7.5	7.0 - 12.0	0.2 - 0.9	19	19	47.5	5	ADE6M201NPS	ADE6N0501NPS
ADE6	20	M20	1/2"	N050	2	6.5 - 11.0	10.0 - 16.0	0.2 - 1.3	24	24	54.5	6	ADE6M202NPS	ADE6N0502NPS
ADE6	20	M20	1/2"	N050	3	9.0 - 14.5	13.5 - 21.0	0.2 - 1.3	30	30	60.5	7	ADE6M203NPS	ADE6N0503NPS
ADE6	25	M25	3/4"	N075	2	9.0 - 14.5	13.5 - 21.0	0.2 - 1.3	30	30	60.5	7	ADE6M252NPS	ADE6N0752NPS
ADE6	25	M25	3/4"	N075	3	12.0 - 19.5	18.0 - 27.5	0.2 - 1.6	41	41	74.0	8	ADE6M253NPS	ADE6N0753NPS
ADE6	32	M32	1"	N100	2	12.0 - 19.5	18.0 - 27.5	0.2 - 1.6	41	41	74.0	8	ADE6M322NPS	ADE6N1002NPS
ADE6	32	M32	1"	N100	3	17.5 - 26.0	23.0 - 34.0	0.2 - 1.6	48	48	83.0	9	ADE6M323NPS	ADE6N1003NPS
ADE6	40	M40	1 1/4"	N125	2	17.5 - 26.0	23.0 - 34.0	0.2 - 1.6	48	48	83.0	9	ADE6M402NPS	ADE6N1252NPS
ADE6	40	M40	1 1/4"	N125	3	23.0 - 33.0	29.0 - 41.0	0.2 - 2.0	55	55	92.0	10	ADE6M403NPS	ADE6N1253NPS
ADE6	50	M50	1 1/2"	N150	2	23.0 - 33.0	29.0 - 41.0	0.2 - 2.0	55	55	92.0	10	ADE6M502NPS	ADE6N1502NPS
ADE6	50	M50	2"	N200	3	28.5 - 41.0	35.0 - 48.0	0.2 - 2.5	64	64	104.0	11	ADE6M503NPS	ADE6N2003NPS

* 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.

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Est.1899

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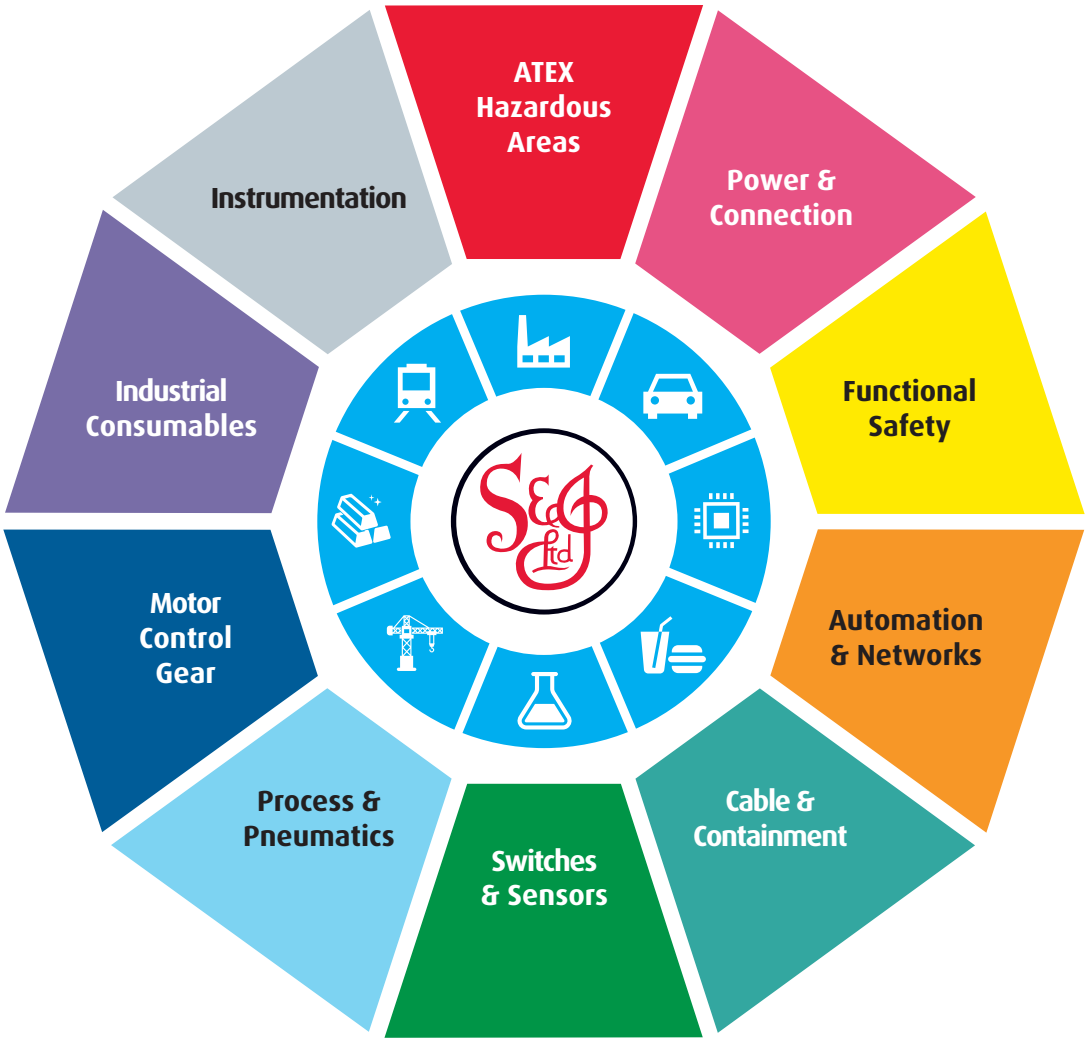

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