

# ADE 4F

## Product introduction

### Cable type

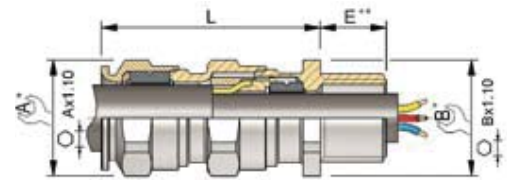
- Steel wire armoured cable (SWA)
- Steel wire braided cable (SWB)
- Steel tape armoured cable (STA)
- Braided marine shipboard cable; Type P cable
- Lead sheathed cable (with addition of earthing washer)

### Ingress protection

- IP66/68

### Product features

- Standard nickel-plated brass material for superior corrosion resistance
- Neoprene seal certified from -30°C to +80°C
- Available with silicone seal certified from -60°C to +140°C
- Specially formulated elastomer for IP sealing on outer sheath of cable
- Suitable for all armour shield type, with no requirement to reverse
- Additional external cable clamping for strain relief (option)



\* For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1

\*\* For "E" see thread dimension page E.9

### Certifications and compliances

- Zones 1 and 2, Groups IIA, IIB and IIC
- Zones 21 and 22 Groups IIIA, IIIB and IIIC
- I12GD / Ex db IIC / Ex eb IIC / Ex tb IIC
- I13G Ex nRc IIC
- ATEX: INERIS12ATEX0032X
- IECEX: IECEX INE 12.0025X
- NEPSI: GYJ13.1082X
- UL: 3DJN E310130, 3LRC E314047
- DNV: TAE000010X

### Order logic

Series	Thread size	Cable sealing range	Material	Sealing type	Country	Variant codes	
ADE4	M25	3	NP	N	CN	N	Neoprene
						S	Silicone
						NP	Nickel plated brass
						SS	Stainless steel 316L
						SF	Stainless steel 304

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

Thread size				Cable sealing range	Gland size	Cable inner sheath (mm)	Cable outer sheath (mm)	Max. armour thickness (mm)	Hexagon dimension (mm)		Gland length 'L' (mm)	Fiber sealing washer		Nickel-plated brass locknut	
ISO	Code	NPT	Code						A	B		ISO	NPT	ISO	NPT
16"	CAP846594V1L	3/8"	CAP848594V1L	2	5	4.5-8.5	7.0-12.0	0.9	19	19	46.0				
16"	CAP846504V1L	3/8"	CAP848504V1L	3	6	7.0-12.0	10.0-16.0	1.3	24	24	51.0	CAP221645	CAP239038	CAP221694	CAP280114
20	CAP846674V1L	1/2"	CAP848674V1L	1	5	4.5-8.5	7.0-12.0	0.9	19	24	46.0				
20	CAP846694V1L	1/2"	CAP848694V1L	2	6	7.0-12.0	10.0-16.0	1.3	30	24	51.0	CAP222045	CAP239012	CAP222094	CAP280124
20	CAP846604V1L	1/2"	CAP848604V1L	3	7	10.0-15.5	13.5-21.0	1.3	30	30	57.5				
25	CAP846774V1L	3/4"	CAP848774V1L	1	6	7.0-12.0	10.0-16.0	1.3	24	30	51.0				
25	<b>CAP846794V1L</b>	3/4"	CAP848794V1L	2	<b>7</b>	<b>10.0-15.5</b>	<b>13.5-21.0</b>	<b>1.3</b>	<b>30</b>	<b>30</b>	<b>57.5</b>	CAP222545	CAP239034	CAP222594	CAP280134
25	CAP846704V1L	3/4"	CAP848704V1L	3	8	13.5-20.5	18.0-27.5	1.6	41	41	51.0				
32	CAP846894V1L	1"	CAP848894V1L	2	8	13.5-21.0	18.0-27.5	1.6	41	41	68.0	CAP223245	CAP239010	CAP223294	CAP280144
32	CAP846804V1L	1"	CAP848804V1L	3	9	18.0-26.0	23.0-34.0	1.6	48	48	76.0				
40	CAP846994V1L	1-1/4"	CAP848994V1L	2	9	18.0-27.5	23.0-34.0	1.6	48	48	76.0	CAP224045	CAP239114	CAP224094	CAP280154
40	CAP846904V1L	1-1/4"	CAP848904V1L	3	10	23.0-34.0	29.0-41.0	2	55	55	88.0				
50	CAP847094V1L	1-1/2"	CAP849094V1L	2	10	23.0-34.0	29.0-41.0	2	55	55	88.0	CAP225045	CAP239112	CAP225094	CAP280164
50	CAP847004V1L	1-1/2"	CAP849004V1L	3	11	29.0-41.0	35.0-48.0	2.5	64	64	97.0				
63	CAP847294V1L	2"	CAP849294V1L	2	12	35.0-48.0	42.0-56.0	2.5	72	72	102.0	CAP226345	CAP239020	CAP226394	CAP280174
63	CAP847204V1L	2"	CAP849204V1L	3	13	42.0-53.0	50.0-65.0	2.5	85	85	117.0				

\* No UL certificate

# Ordering using ADE catalog numbers

Series	Thread size	Cable sealing range	Material	Sealing type	Country of origin
ADE1	M25	3	NP	N	CN

## Variant codes & options

series code	Ade model	Range code	Cable sealing range	Material code	Material (gland body)	Sealing code	Sealing type
ADE1	ADE 1F2	0	Extra Small (XS)	NP	Nickel plated brass	N	Neoprene
ADE4	ADE 4F	1	Small (S)	SF	SS 304	S	Silicone
		2	Medium (M)	SS	SS 316L		
		3	Large (L)				

Notes:

- Not all options are available for all models; please check in individual models for details

## Ordering using CAP material codes

If orders are placed using the 'CAP' numbers or converting from/to catalog (ADE) numbers, please ensure you have the correct digit for the material required. Consult the CAP Ordering Example for details.

**Ordering example**

**CAP80669 4 V1L**

**Gland type**      **Option**

Cap number material codes	
4	Nickel Plated Brass with Neoprene Seal
5	Nickel Plated Brass with Silicone Seal
6	SS 316L with Silicone Seal
9	SS 316L with Neoprene Seal
F	SS 304 with Silicone Seal
E	SS 304 with Neoprene Seal
7	Aluminum with Silicone Seal

For material options, replace the last digit of the gland CAP code before the 'V1' suffix; for example:

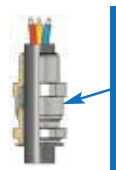









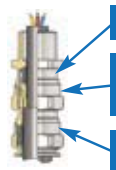









**CAP806694V1** = ADE 1F2 M20 size 5 Nickel Plated Brass with Neoprene Seal

Change the digit before the 'V1' suffix:










**CAP806695V1** = ADE 1F2 M20 size 5 Nickel Plated Brass with Silicone Seal

E

## Ex markings

ADE-1F2		C.H. by EATON.2 ADE-1F2 n°10 M50									
ADE-4F		C.H. by EATON.2 ADE-4F n°8									

### Details of the main Ex marking (example on ADE-1F2):

C.H. by EATON.2 ADE-1F2 n°10 M50									
Name of the manufacturer Product type identification Cable size and Thread type & size	U Marine Certification Valid for Canada & the US		ATEX Directive Marking, including the year of production.		New EPL Specific ATEX & IECEX marking	Certificate No: ATEX IECEX Cepel / Inmetro	Cable Ext.Ø Diameter		

# ADE - CAP catalog numbers

## ADE 1F2

GLAND SELECTION			CAP gland size	CAP number ISO	Catalog number ISO	GLAND SELECTION			CAP gland size	CAP number NPT	Catalog number NPT
Series	Thread size code	Cable sealing range				Thread size	Thread size code	Cable sealing range			
ADE1	M16	2	4	CAP806594V1L	ADE1M162NPNCN	3/8"	N038	2	4	CAP808594V1L	ADE1N0382NPNCN
ADE1	M16	3	5	CAP806504V1L	ADE1M163NPNCN	3/8"	N038	3	5	CAP808504V1L	ADE1N0383NPNCN
ADE1	M20	1	4	CAP806674V1L	ADE1M201NPNCN	1/2"	N050	1	4	CAP808674V1L	ADE1N0501NPNCN
ADE1	M20	2	5	CAP806694V1L	ADE1M202NPNCN	1/2"	N050	2	5	CAP808694V1L	ADE1N0502NPNCN
ADE1	M20	3	6	CAP806604V1L	ADE1M203NPNCN	1/2"	N050	3	6	CAP808604V1L	ADE1N0503NPNCN
ADE1	M25	1	5	CAP806774V1L	ADE1M251NPNCN	3/4"	N075	1	5	CAP808774V1L	ADE1N0751NPNCN
ADE1	M25	2	6	CAP806794V1L	ADE1M252NPNCN	3/4"	N075	2	6	CAP808794V1L	ADE1N0752NPNCN
ADE1	M25	3	7	CAP806704V1L	ADE1M253NPNCN	3/4"	N075	3	7	CAP808704V1L	ADE1N0753NPNCN
ADE1	M32	2	7	CAP806894V1L	ADE1M322NPNCN	-	-	-	-	-	-
ADE1	M32	3	8	CAP806804V1L	ADE1M323NPNCN	1"	N100	3	8	CAP808804V1L	ADE1N1003NPNCN
ADE1	M40	2	8	CAP806994V1L	ADE1M402NPNCN	-	-	2	8	-	-
ADE1	M40	3	9	CAP806904V1L	ADE1M403NPNCN	1-1/4"	N125	3	9	CAP808904V1L	ADE1N1253NPNCN
ADE1	M50	0	9	CAP807094V1L	ADE1M500NPNCN	-	-	-	-	-	-
ADE1	M50	1	10	CAP807004V1L	ADE1M501NPNCN	1-1/2"	N150	1	10	CAP809004V1L	ADE1N1501NPNCN
ADE1	M50	2	11	CAP807084V1L	ADE1M502NPNCN	-	-	-	-	-	-
ADE1	M63	2	11	CAP807294V1L	ADE1M632NPNCN	2"	N200	2	11	CAP809294V1L	ADE1N2002NPNCN
ADE1	M63	3	12	CAP807204V1L	ADE2M633NPNCN	2"	N200	3	12	CAP809204V1L	ADE2N2003NPNCN

## ADE 4F

GLAND SELECTION			CAP gland size	CAP number ISO	Catalog number ISO	GLAND SELECTION			CAP gland size	CAP number NPT	Catalog number NPT
Series	Thread size code	Cable sealing range				Thread size	Thread size code	Cable sealing range			
ADE4	M16	2	5	CAP846594V1L	ADE4M162NPNCN	3/8"	N038	2	5	CAP848594V1L	ADE4N0382NPNCN
ADE4	M16	3	6	CAP846504V1L	ADE4M163NPNCN	3/8"	N038	3	6	CAP848504V1L	ADE4N0383NPNCN
ADE4	M20	1	5	CAP846674V1L	ADE4M201NPNCN	1/2"	N050	1	5	CAP848674V1L	ADE4N0501NPNCN
ADE4	M20	2	6	CAP846694V1L	ADE4M202NPNCN	1/2"	N050	2	6	CAP848694V1L	ADE4N0502NPNCN
ADE4	M20	3	7	CAP846604V1L	ADE4M203NPNCN	1/2"	N050	3	7	CAP848604V1L	ADE4N0503NPNCN
ADE4	M25	1	6	CAP846774V1L	ADE4M251NPNCN	3/4"	N075	1	6	CAP848774V1L	ADE4N0751NPNCN
ADE4	M25	2	7	CAP846794V1L	ADE4M252NPNCN	3/4"	N075	2	7	CAP848794V1L	ADE4N0752NPNCN
ADE4	M25	3	8	CAP846704V1L	ADE4M253NPNCN	3/4"	N075	3	8	CAP848704V1L	ADE4N0753NPNCN
ADE4	M32	2	8	CAP846894V1L	ADE4M322NPNCN	1"	N100	2	8	CAP848894V1L	ADE4N1002NPNCN
ADE4	M32	3	9	CAP846804V1L	ADE4M323NPNCN	1"	N100	3	9	CAP848804V1L	ADE4N1003NPNCN
ADE4	M40	2	9	CAP846994V1L	ADE4M402NPNCN	1-1/4"	N125	2	9	CAP848994V1L	ADE4N1252NPNCN
ADE4	M40	3	10	CAP846904V1L	ADE4M403NPNCN	1-1/4"	N125	3	10	CAP848904V1L	ADE4N1253NPNCN
ADE4	M50	2	10	CAP847094V1L	ADE4M502NPNCN	1-1/2"	N150	2	10	CAP849094V1L	ADE4N1502NPNCN
ADE4	M50	3	11	CAP847004V1L	ADE4M503NPNCN	1-1/2"	N150	3	11	CAP849004V1L	ADE4N1503NPNCN
ADE4	M63	2	12	CAP847294V1L	ADE4M632NPNCN	2"	N200	2	12	CAP849294V1L	ADE4N2002NPNCN
ADE4	M63	3	13	CAP847204V1L	ADE4M633NPNCN	2"	N200	3	13	CAP849204V1L	ADE4N2003NPNCN

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