

Capri ADE 4F - 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/P type cable
- Lead sheathed cable (with addition of earthing washer)

Certifications and Compliances

Zones 1 and 2, Groups I, IIA, IIB and IIC
Zones 21 and 22, Groups IIIA, IIIB and IIIC

ATEX Certificate No: INERIS12ATEX0032X

Ex db IIC, Ex db I, Ex eb I, Ex eb IIC, Ex nRc IIC, Ex tb IIIC

IECEX Certificate No: IECEX INE 12.0025X

Class I, Zone 2, AEx e II, EX e II

cULus Listed: E310130

Class I, Zone 1, AEx e II, EX e II

Marine cULus Listed: E314047

DTS-01:91 Deluge certification

Product Specification

Material:

Nickel-plated brass for superior corrosion resistance.
316 Stainless steel, bronze and aluminium options available.
It is recommended that a suitable lubricant is used on all threads of stainless steel and aluminium versions.

Operating Temperature:

Neoprene seal: -30°C to +80°C

Silicone seal: -60°C to +140°C

Ingress Protection (IP):

Metric Threads:

Fitted on equipment with a flat surface, on threaded hole, or on blank hole ("d" use excluded) fixed by a qualified locknut with all threads engaged:

- IP64 and IP66 without Sealing Washer and surface finish of Ra 0.4µm or on threaded hole and surface finish of Ra 1.6µm max.
- IP64 and IP66 with all Sealing Washers (Red Fibre, Green Fibre, Neoprene, Nylon or PTFE) on surface Ra 6.3µm max.
- IP68 tested 30m/7days with Red Fibre or Green Fibre Sealing Washers on surface Ra 6.3µm max.

NPT Threads:

- IP64, 66 and IP68 tested 30m/7days, always fitted on equipment with threaded hole; HTL lubricant may be needed.

Clamping Technology:

Elastomeric seal on cable outer-sheath

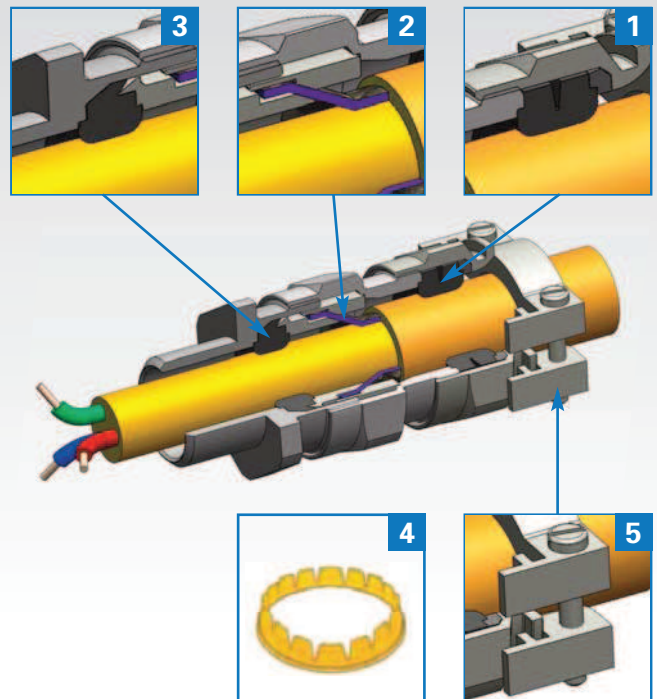
Universal armour clamping and bonding for electrical continuity

Elastomeric seal on cable inner-sheath

External cable clamping module optional



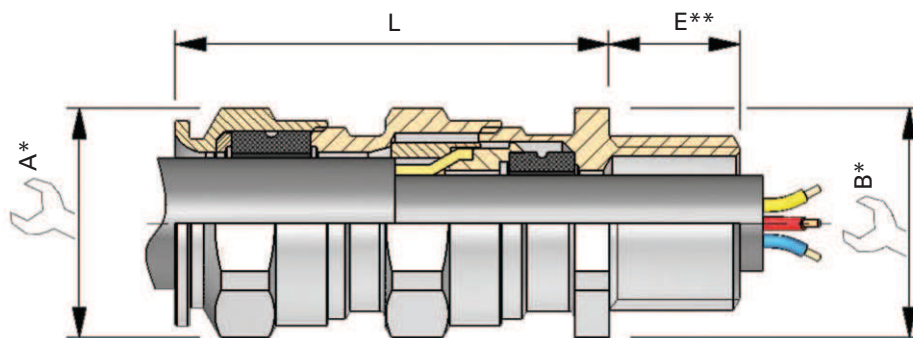
Features & Benefits



- 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 flamepath sealing on inner sheath of the cable.
- 4: Suitable for lead sheath cable with installation of simple washer.
- 5: Additional external cable clamping for strain relief (optional).

Capri ADE 4F - Order Codes & Dimensions

Dimensions



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

** For 'E' see Thread Dimension page 0.

SERIES	THREAD SIZE	CABLE SEALING RANGE	MATERIAL	SEALING TYPE	OPTION
ADE4	M25	3	NP	N	

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

SELECT

SELECT

SELECT

VARIANT CODES	
K1	Accessories Kit 1
K2	Accessories Kit 2
K3	Accessories Kit 3
FL	Flange (integrated clamping)
BLANK	No Option
N	Neoprene
S	Silicone
NP	Nickel Plated Brass
SS	Stainless Steel
BZ	Bronze
AL	Aluminium (not mining)

KIT OPTIONS	
K1	Kit 1 Contents: ● Locknut ● Green Fibre Washer
K2	Kit 2 Contents: ● Locknut ● Green Fibre Washer ● Earth Tag ● Shroud
K3	Kit 3 Contents: ● Locknut ● Green Fibre Washer ● Earth Tag ● Serrated Washer

SELECTION TABLE						DIMENSIONS						CAP GLAND SIZE	CAP NUMBER ISO	CAP NUMBER NPT
SERIES	THREAD SIZE	THREAD SIZE CODE	THREAD SIZE	THREAD SIZE CODE	CABLE SEALING RANGE	CABLE SEALING RANGE		ARMOUR RANGE MIN - MAX	A	B	L (LENGTH)			
						INNER SHEATH MIN - MAX	OUTER SHEATH MIN - MAX							
	ISO		NPT											
ADE4	12*	M12	1/4**	N025	3	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	19	46.0	5	CAP846404V1	CAP848404V1
ADE4	16*	M16	3/8**	N038	1	2.8 - 5.5	4.5 - 8.5	0.2 - 0.9	17	19	41.0	4	CAP846574V1	CAP848574V1
ADE4	16*	M16	3/8**	N038	2	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	19	46.0	5	CAP846594V1	CAP848594V1
ADE4	16*	M16	3/8**	N038	3	7.0 - 12.0	10.0 - 16.0	0.2 - 1.3	24	24	51.0	6	CAP846504V1	CAP848504V1
ADE4	20	M20	1/2"	N050	0	2.8 - 5.5	4.5 - 8.5	0.2 - 0.9	17	24	41.0	4	CAP846654V1	CAP848664V1
ADE4	20	M20	1/2"	N050	1	4.5 - 8.0	7.0 - 12.0	0.2 - 0.9	19	24	46.0	5	CAP846674V1	CAP848674V1
ADE4	20	M20	1/2"	N050	2	7.0 - 12.0	10.0 - 16.0	0.2 - 1.3	30	24	51.0	6	CAP846694V1	CAP848694V1
ADE4	20	M20	1/2"	N050	3	10.0 - 15.5	13.5 - 21.0	0.2 - 1.3	30	30	57.5	7	CAP846604V1	CAP848604V1
ADE4	25	M25	3/4"	N075	1	7.0 - 12.0	10.0 - 16.0	0.2 - 1.3	24	30	51.0	6	CAP846774V1	CAP848774V1
ADE4	25	M25	3/4"	N075	2	10.0 - 15.5	13.5 - 21.0	0.2 - 1.3	30	30	57.5	7	CAP846794V1	CAP848794V1
ADE4	25	M25	3/4"	N075	3	13.5 - 20.5	18.0 - 27.5	0.2 - 1.6	41	41	68.0	8	CAP846704V1	CAP848704V1
ADE4	32	M32	1"	N100	2	13.5 - 21.0	18.0 - 27.5	0.2 - 1.6	41	41	68.0	8	CAP846894V1	CAP848894V1
ADE4	32	M32	1"	N100	3	18.0 - 26.0	23.0 - 34.0	0.2 - 1.6	48	48	76.0	9	CAP846804V1	CAP848804V1
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	CAP846994V1	CAP848994V1
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	CAP846904V1	CAP848904V1
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	CAP847094V1	CAP849094V1
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	CAP847004V1	CAP849004V1
ADE4	63	M63	2"	N200	2	35.0 - 48.0	42.0 - 56.0	0.2 - 2.5	72	72	102.0	12	CAP847294V1	CAP849294V1
ADE4	63	M63	2"	N200	3	42.0 - 53.0	50.0 - 65.0	0.2 - 2.5	85	85	117.0	13	CAP847204V1	CAP849204V1
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	CAP847394V1	CAP849494V1
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	CAP847304V1	CAP849404V1
ADE4	90	M90	3"	N300	1	58.0 - 74.0	66.0 - 83.0	0.2 - 3.2	110	110	133.0	15	CAP847594V1	CAP849594V1
ADE4	90	M90	3"	N300	2	66.0 - 78.0	75.0 - 93.0	0.2 - 3.2	120	120	140.0	16	CAP847504V1	CAP849504V1
ADE4	90	M90	3 1/2"	N350	3	66.0 - 83.0	85.0 - 104.0	0.2 - 3.5	135	135	150.0	17	CAP847574V1	CAP849604V1
ADE4	110	M110	4"	N400	3	75.0 - 93.0	85.0 - 104.0	0.2 - 3.5	135	135	150.0	17	CAP847794V1	CAP849704V1

* Not UL certified All dimensions in mm

Above CAP product codes for nickel-plated brass model with neoprene seal, refer to page 0 for other options

For mining applications, please contact us