

Capri ADE 1FC - for Non Armoured Cable

Technical Specification



Suitable for the following cable types

- Non-armoured cable
- Marine shipboard cable Type P cable

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

IECEX Certificate No: IECEX INE 12.0025X

Class I, Zone 2, AEx de II, Ex de II

cULus Listed: E310130

Class I, Division 2, Groups A, B, C, D

Marine UL Listed: E324850

DTS-01:91 Deluge certification

Product Specification

Material:

Nickel-plated brass for superior corrosion resistance.

316 Stainless steel and bronze options available.

It is recommended that a suitable lubricant is used on all threads of stainless steel versions.

Operating Temperature:

TSC Compound: -60°C to +80°C

(for UL Marine certification refer to page 96-97)

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:

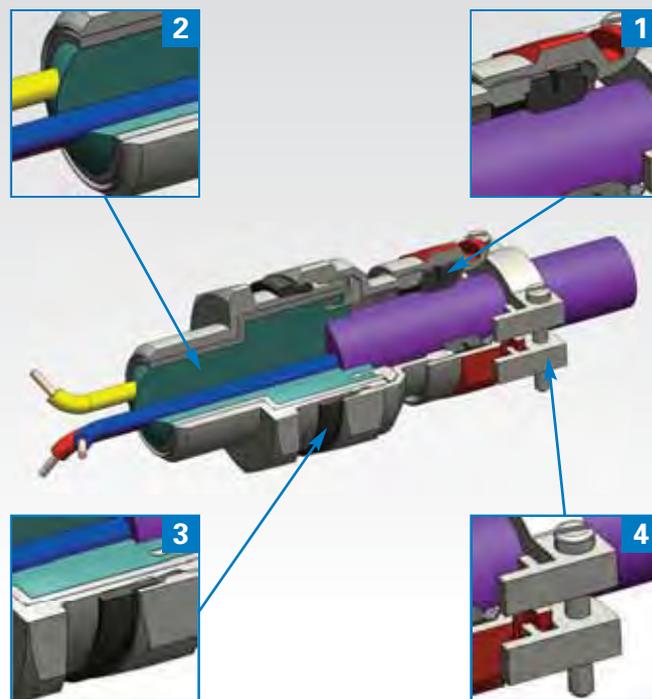
Elastomeric seal on cable outer-sheath

Compound barrier seal on cable conductors

External cable clamping module (optional)



Features & Benefits



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

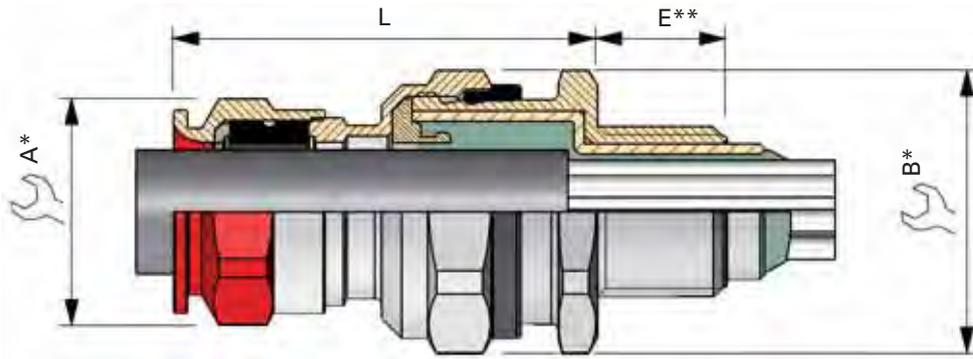
2: Sealing of cable conductors with compound barrier seal.

3: Deluge seal provides enhanced ingress protection.

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

Capri ADE 1FC - Order Codes & Dimensions

Dimensions



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

** For 'E' see Thread Dimension page 105

SERIES	THREAD SIZE	CABLE SEALING RANGE	MATERIAL	BARRIER	SEALING TYPE	OPTION
ADE1C	M25	3	NP	SC	N	

VARIANT CODES	
K1	Accessories Kit 1
K2	Accessories Kit 2
K3	Accessories Kit 3
FL	Flange (integrated clamping)
BLANK	No Option
N	Neoprene
SC	Solid Compound
NP	Nickel Plated Brass
SS	Stainless Steel
BZ	Bronze

SEALING TYPE	OPTION
0 = XS	
1 = S	
2 = M	
3 = L	

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	SEALING RANGE MIN - MAX	CONDUCTORS		A	B				L (LENGTH)
							C = Ø MAX OVER CORES	MAX No CORES						
	ISO		NPT											
ADE1C	16*	M16	3/8**	N038	3	4.0 - 8.5	6.5	6	15	19	36.0	4	CAP019594V1	CAP011594V1
ADE1C	20	M20	1/2"	N050	1	4.0 - 8.5	6.5	6	15	24	36.0	4	CAP019674V1	CAP011674V1
ADE1C	20	M20	1/2"	N050	2	6.0 - 12.0	9.5	6	19	24	42.0	5	CAP019694V1	CAP011694V1
ADE1C	20	M20	1/2"	N050	3	8.5 - 16.0	12.0	10	24	30	48.0	6	CAP019604V1	CAP011604V1
ADE1C	25	M25	3/4"	N075	2	8.5 - 16.0	12.0	10	24	30	48.0	6	CAP019794V1	CAP011794V1
ADE1C	25	M25	3/4"	N075	3	12.0 - 21.0	17.0	21	30	41	58.0	7	CAP019704V1	CAP011704V1
ADE1C	32	M32	1"	N100	2	12.0 - 21.0	17.0	21	30	41	58.0	7	CAP019894V1	CAP011894V1
ADE1C	32	M32	1"	N100	3	16.0 - 27.5	23.0	42	41	48	70.0	8	CAP019804V1	CAP011804V1
ADE1C	40	M40	1 1/4"	N125	2	16.0 - 27.5	23.0	42	41	48	70.0	8	CAP019994V1	CAP011994V1
ADE1C	40	M40	1 1/4"	N125	3	21.0 - 34.0	29.0	60	48	55	79.0	9	CAP019904V1	CAP011904V1
ADE1C	50	M50	1 1/2"	N150	2	21.0 - 34.0	29.0	60	48	55	79.0	9	CAP019094V1	CAP011094V1
ADE1C	50	M50	2"	N200	1	27.0 - 41.0	36.5	80	55	64	88.0	10	CAP019004V1	CAP011004V1
ADE1C	63	M63	2"	N200	2	33.0 - 48.0	43.0	100	64	72	98.0	11	CAP019294V1	CAP011294V1
ADE1C	63	M63	2"	N200	3	40.0 - 56.0	50.0	100	72	85	103.0	12	CAP019274V1	CAP011204V1
ADE1C	-	-	2 1/2"	N250	2	40.0 - 56.0	50.0	100	72	85	103.0	12	-	CAP011494V1
ADE1C	75	M75	2 1/2"	N250	3	46.0 - 65.0	59.0	120	85	95	111.0	13	CAP019304V1	CAP011404V1
ADE1C	-	-	3"	N300	1	46.0 - 65.0	59.0	120	85	95	111.0	13	-	CAP012504V1
ADE1C	90	M90	3"	N300	2	54.0 - 74.0	66.0	140	95	110	120.0	14	CAP010594V1	CAP012574V1
ADE1C	-	-	3 1/2"	N350	2	54.0 - 74.0	66.0	140	95	110	120.0	14	-	CAP012604V1
ADE1C	90	M90	3"	N300	3	63.0 - 83.0	75.0	140	110	120	125.0	15	CAP010504V1	CAP012594V1
ADE1C	-	-	3 1/2"	N350	3	63.0 - 83.0	75.0	140	110	120	125.0	15	-	CAP012694V1
ADE1C	110	M110	4"	N400	3	72.0 - 93.0	85.0	200	120	135	128.0	16	CAP010794V1	CAP012704V1

* Not UL certified All dimensions in mm Above CAP product codes for nickel-plated brass model with neoprene seal, refer to page 30 for other options
For mining applications, please contact us