

Cable types:

- Steel wire armored cable (SWA) 
- Steel wire braided cable (SWB) 
- Steel tape armored cable (STA) 
- Braided marine shipboard cable; Type P cable 
- Tray cable 

Standard materials:

- Nickel-plated brass for superior corrosion resistance
- 316L stainless steel, bronze and aluminum (optional); it is recommended that a suitable lubricant be 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; equipped with deluge seal

Certifications and compliances:



ATEX Certificate No.: INERIS12ATEX0032X

- Zones 1 & 2, Groups IIA, IIB, IIC
- Zones 21 & 22, Groups IIIA, IIIB, 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, stainless steel or bronze – ADE sizes 11 to 17, 2" to 4" NPT, ISO 50 to 110

IECEX Certificate No.: IECEX INE 12.0025X

- Zones 1 & 2, Groups IIA, IIB, IIC
- Zones 21 & 22, Groups IIIA, IIIB, IIIC
- Ex db IIC / Ex eb IIC / Ex nRc IIC / Ex tb IIIC
- Ex db I / Ex eb I; for mining applications: brass, stainless steel or bronze – ADE sizes 11 to 17; 2" to 4" NPT, ISO 50 to 110

UL certifications:

- **3DJN E310130, Class I, Zone 2A, AEx de II, Ex de II**
- ADE sizes 5 to 17, 1/2" to 4" NPT or ISO 20 to 110 with non-armored cable types ITC, MV, PLTC, TC-ER, TC-ER-HL, TC and TSC epoxy sealing compound
- **3DJN E310130, Class I, Division 1, Groups A, B, C, D**
- ADE sizes 5 to 9, 1/2" to 1 1/4" NPT or ISO 20 to 40 with non-armored cable types TC-ER-HL and TSC epoxy sealing compound
- ADE sizes 5 to 17, 1/2" to 4" NPT or ISO 20 to 110 with non-armored cable types ITC-HL and TSC epoxy sealing compound
- **3DJN E310130, Class I, Division 2A, Groups A, B, C, D**
- ADE sizes 5 to 17, 1/2" to 4" NPT or ISO 20 to 110 with non-armored cable types PLTC, PLTC-ER, ITC, ITC-ER, ITC-HL, TC, TC-ER, TC-ER-HL, MV and TSC epoxy sealing compound
- **4EC5 E324850, Class I, Division 1, Groups A, B, C, D**
- ADE sizes 5 to 17, 1/2" to 4" NPT or ISO 20 to 110 with armored marine cable and TSC epoxy sealing compound

Other certifications:

- CEPEL 05.0559X
- CCoE P360379-1
- KOSHA 2015-BO-0491 to 0494
- NANIO TC-RU C-FR.FB05.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

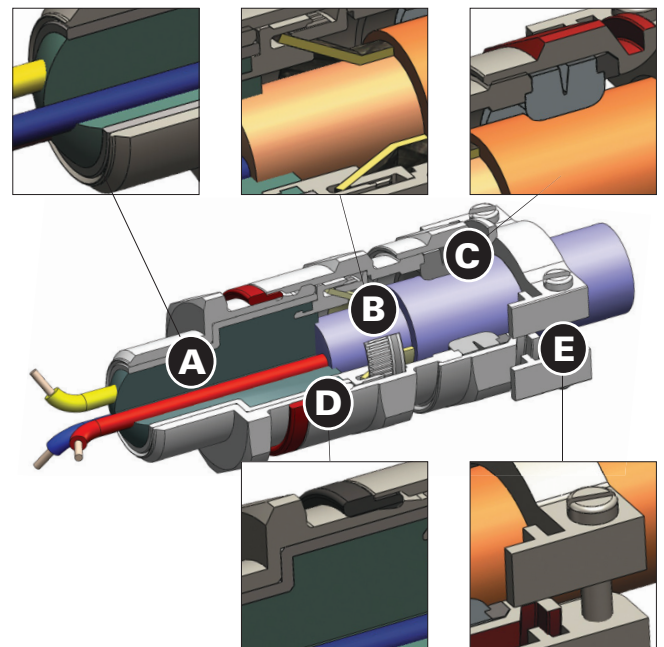
With inspectable clamping for wire or braid

Sealing ring and TSC compound provides 100% of cable clamping



Operating temperatures:

- For all certificates, excluding UL E324850: -60°C to +80°C
- For UL certificate UL E324850: -25°C to +40°C



Features:

- A Compound barrier seal** – for sealing of cable conductors (TSC compound included)
- B Universal clamping design** – for earthing and bonding of armor shield; provides mechanical strength and is suitable for all armor shield types, with no requirement to reverse components that may introduce risk of incorrect installation; fully inspectable
- C Specifically formulated elastomer** – seals the outer sheath of the cable to provide IP66 or IP68 moisture ingress protection
- D Deluge performance** – additional protection against moisture ingress
- E Optional external clamp** – provides additional external strain relief for rugged applications

A Can be used in Division 2, provided that the enclosure contains no components that produce arcs or sparks.

Ordering information:

Part number example

ADE6CM253NPSCNK1

ADE6C

M25

3

NP

SCN

K1

Hub size

NPT	Hub	Metric	Hub
N038	3/8"	M16	16mm
N050	1/2"	M20	20mm
N075	3/4"	M25	25mm
N100	1"	M32	32mm
N125	1 1/4"	M40	40mm
N150	1 1/2"	M50	50mm
N200	2"	M63	63mm
N250	2 1/2"	M75	75mm
N300	3"	M90	90mm
N350	3 1/2"	M110	110mm
N400	4"		

Cable sealing range

0	Extra small
1	Small
2	Medium
3	Large

Material

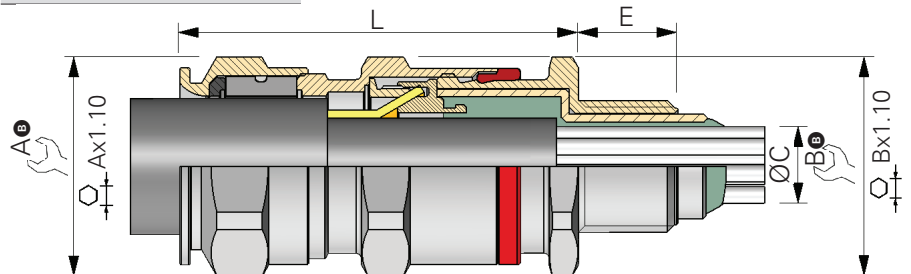
NP	Nickel-plated brass
SS	Stainless steel
BZ	Bronze

Sealing compound

SCN	TSC solid compound
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Accessory kits (see page 228)

BLANK	No kit
K1	Locknut, green composite washer
K2	Locknut, green composite washer, earth tag, shroud
K3	Locknut, green composite washer, earth tag, serrated washer



NPT thread size	Cat. # NPT	Metric thread size	Cat. # Metric	Outer sheath		Conductors		Max. no. of cores	Max. armor thickness	A	B	Length (L)	E (NPT)	E (Metric)	Gland size
				Min.	Max.	C = Ø max. cover cores	Ø max. inner sheath								
3/8" C	ADE6CN0383NPSCN	M16 C	ADE6CM163NPSCN	0.24 (6.0)	0.47 (12.0)	0.26 (6.5)	0.31 (8.0)	6	0.04 (0.9)	0.75 (19.0)	0.75 (19.0)	1.87 (47.5)	0.65 (16.6)	0.59 (15.0)	5
1/2"	ADE6CN0501NPSCN	M20	ADE6CM201NPSCN	0.24 (6.0)	0.47 (12.0)	0.26 (6.5)	0.31 (8.0)	6	0.04 (0.9)	0.75 (19.0)	0.94 (24.0)	1.87 (47.5)	0.87 (22.2)	0.59 (15.0)	5
1/2"	ADE6CN0502NPSCN	M20	ADE6CM202NPSCN	0.33 (8.5)	0.63 (16.0)	0.37 (9.5)	0.47 (12.0)	6	0.05 (1.2)	0.94 (24.0)	0.94 (24.0)	2.15 (54.5)	0.87 (22.2)	0.59 (15.0)	6
1/2"	ADE6CN0503NPSCN	M20	ADE6CM203NPSCN	0.47 (12.0)	0.83 (21.0)	0.47 (12.0)	0.63 (16.0)	10	0.05 (1.2)	1.18 (30.0)	1.18 (30.0)	2.38 (60.5)	0.87 (22.2)	0.59 (15.0)	7
3/4"	ADE6CN0752NPSCN	M25	ADE6CM252NPSCN	0.47 (12.0)	0.83 (21.0)	0.47 (12.0)	0.63 (16.0)	10	0.05 (1.2)	1.18 (30.0)	1.18 (30.0)	2.38 (60.5)	0.89 (22.5)	0.59 (15.0)	7
3/4"	ADE6CN0753NPSCN	M25	ADE6CM253NPSCN	0.63 (16.0)	1.08 (27.5)	0.67 (17.0)	0.83 (21.0)	21	0.06 (1.6)	1.61 (41.0)	1.61 (41.0)	2.91 (74.0)	0.89 (22.5)	0.59 (15.0)	8
1"	ADE6CN1002NPSCN	M32	ADE6CM322NPSCN	0.63 (16.0)	1.08 (27.5)	0.67 (17.0)	0.83 (21.0)	21	0.06 (1.6)	1.61 (41.0)	1.61 (41.0)	2.91 (74.0)	1.07 (27.3)	0.59 (15.0)	8
1"	ADE6CN1003NPSCN	M32	ADE6CM323NPSCN	0.83 (21.0)	1.34 (34.0)	0.91 (23.0)	1.08 (27.5)	42	0.06 (1.6)	1.89 (48.0)	1.89 (48.0)	3.27 (83.0)	1.07 (27.3)	0.59 (15.0)	9
1 1/4"	ADE6CN1252NPSCN	M40	ADE6CM402NPSCN	0.83 (21.0)	1.34 (34.0)	0.91 (23.0)	1.08 (27.5)	42	0.06 (1.6)	1.89 (48.0)	1.89 (48.0)	3.27 (83.0)	1.10 (28.0)	0.59 (15.0)	9
1 1/4"	ADE6CN1253NPSCN	M40	ADE6CM403NPSCN	1.06 (27.0)	1.61 (41.0)	1.14 (29.0)	1.34 (34.0)	60	0.08 (2.0)	2.17 (55.0)	2.17 (55.0)	3.62 (92.0)	1.10 (28.0)	0.67 (17.0)	10
1 1/2"	ADE6CN1502NPSCN	M50	ADE6CM502NPSCN	1.06 (27.0)	1.61 (41.0)	1.14 (29.0)	1.34 (34.0)	60	0.08 (2.0)	2.17 (55.0)	2.17 (55.0)	3.62 (92.0)	1.12 (28.5)	0.63 (16.0)	10
2"	ADE6CN2001NPSCN	M50	ADE6CM501NPSCN	1.30 (33.0)	1.89 (48.0)	1.44 (36.5)	1.61 (41.0)	80	0.10 (2.5)	2.52 (64.0)	2.52 (64.0)	4.09 (104.0)	1.15 (29.2)	0.63 (16.0)	11
2"	ADE6CN2002NPSCN	M63	ADE6CM632NPSCN	1.57 (40.0)	2.20 (56.0)	1.69 (43.0)	1.89 (48.0)	100	0.10 (2.5)	2.83 (72.0)	2.83 (72.0)	4.25 (108.0)	1.15 (29.2)	0.67 (17.0)	12
2"	ADE6CN2003NPSCN	M63	ADE6CM633NPSCN	1.81 (46.0)	2.56 (65.0)	1.97 (50.0)	2.20 (56.0)	100	0.10 (2.5)	3.35 (85.0)	3.35 (85.0)	4.65 (118.0)	1.15 (29.2)	0.67 (17.0)	13
2 1/2"	ADE6CN2502NPSCN	M75	ADE6CM752NPSCN	1.81 (46.0)	2.56 (65.0)	1.97 (50.0)	2.20 (56.0)	100	0.10 (2.5)	3.35 (85.0)	3.35 (85.0)	4.65 (118.0)	1.67 (42.5)	0.71 (18.0)	13
2 1/2"	ADE6CN2503NPSCN	M75	ADE6CM753NPSCN	2.13 (54.0)	2.91 (74.0)	2.32 (59.0)	2.56 (65.0)	120	0.10 (2.5)	3.74 (95.0)	3.74 (95.0)	4.88 (124.0)	1.67 (42.5)	0.71 (18.0)	14
3"	ADE6CN3001NPSCN	—	—	2.13 (54.0)	2.91 (74.0)	2.32 (59.0)	2.56 (65.0)	120	0.10 (2.5)	3.74 (95.0)	3.74 (95.0)	4.88 (124.0)	1.73 (44.0)	—	14
3"	ADE6CN3002NPSCN	M90	ADE6CM902NPSCN	2.48 (63.0)	3.27 (83.0)	2.60 (66.0)	2.87 (73.0)	140	0.12 (3.1)	4.33 (110.0)	4.33 (110.0)	5.24 (133.0)	1.73 (44.0)	0.87 (22.0)	15
3 1/2"	ADE6CN3502NPSCN	—	—	2.48 (63.0)	3.27 (83.0)	2.60 (66.0)	2.87 (73.0)	140	0.12 (3.1)	4.33 (110.0)	4.33 (110.0)	5.24 (133.0)	1.78 (45.2)	—	15
3"	ADE6CN3003NPSCN	M90	ADE6CM903NPSCN	2.83 (72.0)	3.66 (93.0)	2.95 (75.0)	3.23 (82.0)	140	0.12 (3.1)	4.72 (120.0)	4.72 (120.0)	5.39 (137.0)	1.73 (44.0)	0.87 (22.0)	16
3 1/2"	ADE6CN3503NPSCN	—	—	2.83 (72.0)	3.66 (93.0)	2.95 (75.0)	3.23 (82.0)	140	0.12 (3.1)	4.72 (120.0)	4.72 (120.0)	5.39 (137.0)	1.78 (45.2)	—	16
4"	ADE6CN4003NPSCN	M110	ADE6CM1103NPSCN	3.35 (85.0)	4.09 (104.0)	3.35 (85.0)	3.62 (92.0)	200	0.14 (3.5)	5.31 (135.0)	5.31 (135.0)	5.59 (142.0)	1.83 (46.5)	0.87 (22.0)	17

Catalog numbers are for nickel-plated brass; refer to part number builder above for other options.

Dimensions shown in inches (millimeters).

B For across corners dimensions, multiply across flats dimensions by 1.1.

C Not UL certified.