ADE-1F2 non-armored cable glands

ADE-1F2 cable glands are designed to provide a flameproof and weatherproof seal on the outer sheath of non-armored, tray, marine shipboard or Type P cable. ADE glands are available in a wide range of corrosion-resistant materials to suit any harsh, industrial application.

Cable types:
- Non-armored and tray cable – TC, TC-ER (HL)
- Marine shipboard cable; Type P 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. IP66 protection is achieved through thread-to-thread engagement. Additional protection up to IP68 can be achieved through the addition of sealing washer or thread sealant.
- NEMA 4X

Certifications and compliances:
- Suitable for use in Class I, Division 2 hazardous locations when installed in accordance with NEC501.10(B)(4)
- ATEX Certificate No.: INERIS12ATEX0032X
  - Zones 1 & 2, Groups IIA, IIB, IIC
  - Zones 21 & 22, Groups IIA, IIB, IIC
  - II2GD / Ex db IIC / Ex eb IIC / Ex tb IIC
  - II3G Ex nRc IIC
- IECEx Certificate No.: IECEx INE 12.0025X
  - Zones 1 & 2, Groups IIA, IIB, IIC
  - Zones 21 & 22, Groups IIA, IIB, IIC
  - Ex db IIC / Ex eb IIC / Ex nRc IIC / Ex tb IIC

Operating temperature:
- -60°C to +140°C

UL certifications:
- 3DJN E310130, Class I, Zone 1, AEx e II
  - ADE sizes 3 to 8, ½" to 1¼" NPT or ISO 20 to 40 with TC-ER-HL non-armored cable up to 1" diameter
- 3DJN E310130, Class I, Zone 2, AEx e II, Ex e II
  - ADE sizes 3 to 17, ½" to 4" NPT or ISO 20 to 110 with non-armored 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 3 to 17, ½" to 4" NPT or ISO 20 to 110 with non-armored marine cable

Other certifications:
- CEPEL 05.0558X
- CCoE P360379-1
- KOSH 2015-BO-0249 to 0256
- NANIO TC-RU C-FR.
  - f505.B.00858
- NEPSI GYJ13.1082X
- SABS MS/15-0314X
- ABS 14-HS1274083-PDA
- BV 40910/A0 BV
- DNV TAE000010X
- Lloyds 11/00072
- DTS-01:1991 compliant
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Features:
- Specifically formulated elastomer – used on the outer sheath of the cable to provide IP66 or IP68 moisture ingress protection
- Optional external clamp – provides additional external strain relief for rugged applications

Provides 25% of cable clamping. As per IEC60079 § A.2.3.2 for Group II or III cable glands, "Without a clamping device, additional clamping of the cable is needed to ensure that pulling and twisting is not transmitted to the terminations."

We recommend using the certified ADE clamping module.
Ordering information:

Part number example
ADE1N0752NPNK1

<table>
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<tr>
<th>Hub size</th>
<th>Metric Hub</th>
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<tr>
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<tr>
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</table>

Cable sealing range
- 0: Extra small
- 1: Small
- 2: Medium
- 3: Large

Material
- NPN: Nickel-plated brass
- SSN: Stainless steel
- BZN: Bronze
- ALN: Aluminum

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, shroud, serrated washer

Catalog numbers are for nickel-plated brass; refer to part number builder above for other options.
Dimensions shown in inches (millimeters).
Not UL certified.

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Dimensions shown in inches (millimeters).
No UL certified.