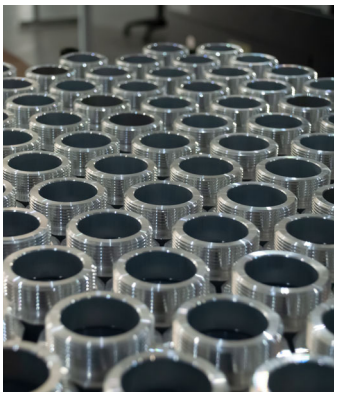
ExSuper

PRODUCT CATALOG

CABLE GLANDS, ADAPTERS, HEXAGONAL REDUCTION, PLUGS AND ACCESSORIES

OCP 0160 OCP 0034

INSTITUTIONAL
ExSuper



About Us

The ExSuper line offers a comprehensive range of cable glands and accessories certified with Ex d (explosion-proof), Ex e (increased safety), and Ex t (dust-proof) protection. These products are developed to meet the highest quality standards for use in classified areas with potentially explosive atmospheres. We have a management system approved according to ISO 9001, and our products are certified by INMETRO, ATEX, and IECEx, in compliance with standards such as IEC 60529, IEC 60079-0, IEC 60079-1, IEC 60079-7, and IEC 60079-31. We adhere to very high international production quality standards.

Our products meet IP66/IP67/IP68 or IP66W/IP67W/IP68W (stainless steel) Protection Ratings and are available in four options of rubber seals for cable tightening, namely VITON, SILICONE, NEOPRENE, and NITRILE. These seals are suitable for applications ranging from -40°C to +200°C. Our products can be manufactured using pure Naval Brass, Nickel-plated Naval Brass, Copper-free Aluminum, or Stainless Steel 304L and 316L, with options of NPT, BSP, or metric threads.

The cable glands, plugs, and connections from the ExSuper line cater to various industrial segments, including oil and gas (offshore and onshore), mining, machinery and tools industry, electrical panel assemblers, sugar cane mills, grain and bran storage and transportation, chemical industries, shipyards, pharmaceutical, and food industries.

Quality Policy

At ExSuper, we aim to satisfy our stakeholders, particularly our customers, by providing quality products through the continuous improvement of our QMS and the development of our employees. Our goal is to ensure the self-sustainability of the organization by minimizing risks and capitalizing on opportunities.

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ExSuper
L.: 42040

A2F CABLE GLANDS IN STAINLESS STEEL, BRASS AND ALUMINUM

The A2F Cable Gland is designed for Ex d, Ex e, Ex t explosion-proof applications specifically tailored for unarmored cables.

Unarmored Cables

Classification: Ex db / Ex eb / Ex ta
Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel
Threads: NPT e BSP ½", ¾", 1", 1 ¼", 1 ½", 2", 2 ½" e 3"
Metrics: M16, M20, M25, M32, M40, M50, M63 e M75

Markings:
II 2 G Ex db IIC Gb Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature

-20°C to +90°C
with the use of NBR and VITON rubbers

-40°C to +100°C
with the use of SILICONE rubbers

-40°C to +200°C
Check available certifications for this temperature range

- Degree of protection for Brass, Nickel-plated Brass and Aluminum
IP66/IP67/IP68 up to 50m for 30 minutes

- Degree of protection (Salt spray) for stainless steel 304L and 316L
IP66W/IP67W/IP68W up to 50m for 30 minutes

- Gas and dust protection

- Compliance certification

OCP 0034

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

UGA2F CABLE GLAND
STAINLESS STEEL, BRASS AND ALUMINUM

UGA2F – "Rotary Union," also known as "A2FRC," is a cable gland used in pipelines for Male x Female threaded connections, replacing the "SEALING UNIT.

Unarmored Cables

Classification: Ex db / Ex eb / Ex ta
Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel
Threads: NPT e BSP ½", ¾", 1", 1 ¼", 1 ½", 2", 2 ½" e 3"
Metrics: M16, M20, M25, M32, M40, M50, M63 e M75

Markings:
II 2 G Ex db IIC Gb Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex, mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex, py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature

-20°C to +90°C
with the use of NBR and VITON rubbers

-40°C to +100°C
with the use of SILICONE rubbers

-40°C to +200°C
Check available certifications for this temperature range

- Degree of protection for Brass, Nickel-plated Brass and Aluminum.
IP66/IP67/IP68 up to 50m for 30 minutes

- Degree of protection (Salt spray) for stainless steel 304L and 316L
IP66W/IP67W/IP68W up to 50m for 30 minutes

- Gas and dust protection

- Compliance certification

OCP 0034

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

E1F CABLE GLAND
STAINLESS STEEL, BRASS AND ALUMINUM

The E1F Cable Gland is designed for Armored Cables and is compatible with both single-strand and stranded-strand armor. It is Explosion Proof, suitable for Ex d, Ex e, and Ex t applications.

Armored Cables

Classification: Ex db / Ex eb / Ex ta

Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel

Threads: NPT e BSP ½", ¾", 1", 1 ¼", 1 ½", 2", 2 ½" e 3"

Métrics: M16, M20, M25, M32, M40, M50, M63 e M75

Markings:
II 2 G Ex db IIC Gb Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature

-20°C to +90°C
with the use of NBR and VITON rubbers

-40°C to +100°C
with the use of SILICONE rubbers

-40°C to +200°C
Check available certifications for this temperature range.

- Degree of protection for Brass, Nickel-plated Brass and Aluminum
IP66/IP67/IP68 up to 50m for 30 minutes

- Degree of protection (Salt spray) for stainless steel 304L and 316L
IP66W/IP67W/IP68W up to 50m for 30 minutes

- Gas and dust protection

- Compliance certification

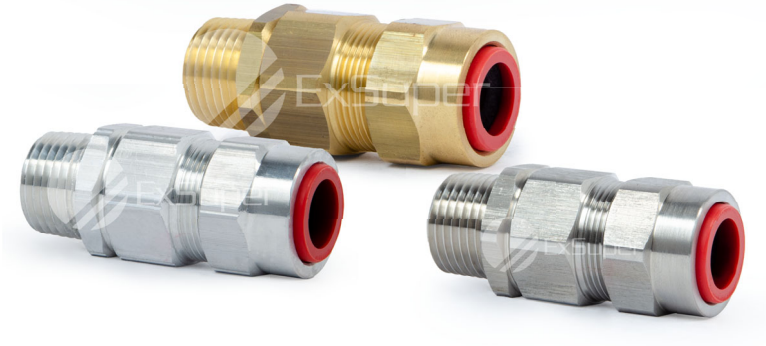
OCP 0034

Applications

- Petrochemical Industry
- Offshore
- Naval Indutry

CABLE GLAND TYPE C
STAINLESS STEEL, BRASS AND ALUMINUM

The Type C cable gland is designed for armored cables, compatible with both single strands and braided strands of armor. It provides Explosion Protection (Ex), increased safety, and dustproof capabilities for Ex t applications.



Armored Cables

Classification: Ex eb / Ex ta

Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel

Threads: NPT e BSP ½", ¾", 1", 1 ¼", 1 ½", 2", 2 ½" e 3"
Métrics: M16, M20, M25, M32, M40, M50, M63 e M75

Markings:
II 2 G Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Can be applied to the following conditions of use
Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature

-20°C to +90°C
with the use of NBR and VITON rubbers

-40°C to +100°C
with the use of SILICONE rubbers

-40°C to +200°C
Check available certifications for this temperature range

- Degree of protection for Brass, Nickel-plated Brass and Aluminum
IP64

- Degree of protection (Salt spray) for stainless steel 304L and 316L
IP64w

- Gas and dust protection

- Compliance certification

OCP 0034

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

TGVP CABLE GLAND
STAINLESS STEEL, BRASS AND ALUMINUM

General industrial purpose TGVP ExSuper cable gland for safe area. weather, gas, steam and dust proof . For special applications, out of catalog threads or “ Multivia” models (for multiple cables), consult our sales team.

Unarmored Cables

Materials: Copper-free Aluminum, Pure Marine Brass, Nickel-plated Marine Brass and 304L and 316L Stainless Steel

Threads NPT, BSP: ½”, ¾”, 1”, 1 ¼”, 1 ½”, 2”, 2 ½” e 3”

Threads PG: PG07, PG09, PG11, PG13, PG16, PG21, PG29, PG36, PG42 e PG48

Métrics: M12, M16, M18, M20, M22, M25, M27, M32, M40, M50, M63, M75, M80 E M90

Optional item: counter nut available, for cases of application in a through hole.

Benefits

- Work temperature

-20°C to +90°C

using EPDM rubbers

Safe area applications

- Petrochemical Industry
- Naval Industry
- Railways
- Railways Industry

CABLE GLAND IN POLYAMIDE Ex INCREASED SAFETY

The ExSuper Plastic cable glands are suitable for non-armored cables and can be applied in Ex e, Ex t, Ex p, Ex n environments in enclosures classified in zones 1, 2, 20, 21, and 22, both onshore and offshore.

Cable gland with long thread, for unarmored cables.

Classification: Ex eb / Ex ta / Ex ia
Materials: Polyamide and Nitrile seal
Threads: NPT and BSP ½", ¾" and 1"
Métrics: M20x1,5 - M25x1,5 - M32x1,5

Markings:
Ex eb IIC Gb
Ex ta IIIC Da

Optional item: counter nut available, for cases of application in a through hole.

Can be applied to the following conditions of use:
Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, nA, Ex nR, Ex, nC, Ex pz, Ex px, Ex py, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature
  -20°C to +60°C
- Degree of protection
  IP66/IP67/IP68 to 50m for 30 minutes
- Certificate of conformity
  TÜV 21.1248 X (INMETRO BRAZIL)
- Protection against explosive gases and Dust

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

THREAD ADAPTER
STAINLESS STEEL, BRASS AND ALUMINUM

Thread Adapters are utilized to enlarge threaded passages in housings for connecting cable glands, conduits, or plugs. ExSuper provides an extensive range of thread types, dimensions, and combinations, specifically designed to withstand diverse conditions in industries such as Oil & Gas, Naval, Mining, among others.

Classification: Ex db / Ex eb / Ex ta
Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel
Threads: NPT e BSP ½", ¾", 1", 1.¼", 1.½", 2", 2.½", 3" e 4"
Métrics: M16, M20, M25, M32, M40, M50, M63 e M75,

Markings:
II 2 G Ex db IIC Gb Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature
  - **-20°C to +90°C**
    with the use of NBR and VITON rubbers
  - **-40°C to +100°C**
    with the use of SILICONE rubbers
  - **-40°C to +200°C**
    Check available certifications for this temperature range
- Degree of protection for Brass, NickelplatedBrass and Aluminum
  IP66/IP67/IP68 up to 50m for 30 minutes
- Degree of protection (Salt spray) for stainless steel 304L and 316L
  IP66W/IP67W/IP68W up to 50m for 30 minutes
- Gas and dust protection
- Compliance certification

OCP 0034

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

HEXAGON REDUCING BUSHING

STAINLESS STEEL, BRASS AND ALUMINUM

The Hexagonal Reduction Bushings are utilized to decrease the size of threaded housing passages for connecting cable glands, conduits, or plugs. ExSuper provides an extensive range of thread types, sizes, and combinations, designed to withstand the most challenging conditions in industries such as Oil & Gas, Naval, Mining, among others.

Classification: Ex db / Ex eb / Ex ta

Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel

Threads: NPT e BSP ½", ¾", 1", 1.¼", 1.½", 2", 2.½", 3" e 4"

Métrics: M16, M20, M25, M32, M40, M50, M63 e M75,

Markings:
II 2 G Ex db IIC Gb Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature
  - **-20°C to +90°C**
    with the use of NBR and VITON rubbers
  - **-40°C to +100°C**
    with the use of SILICONE rubbers
  - **-40°C to +200°C**
    Check available certifications for this temperature range
- Compliance certification
  OCP 0034
- Degree of protection for Brass, Nickel-plated Brass and Aluminum
  IP66/IP67/IP68 up to 50m for 30 minutes
- Degree of protection (Salt spray) for stainless steel 304L and 316L
  IP66W/IP67W/IP68W up to 50m for 30 minutes
- Gas and dust protection

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

MALE TO MALE ADAPTERS
STAINLESS STEEL, BRASS AND ALUMINUM

The Male/Male Adapters, featuring male threads at both ends, serve to connect two female-threaded components within systems such as conduits, sealing units, piping, etc. These adapters are commonly employed to extend connections between two parts or add length to specific line characteristics. Additionally, they can be utilized to adapt different sizes or types of threads within a system.

Classification: Ex db / Ex eb / Ex ta
Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel
Threads: NPT e BSP ½", ¾", 1", 1.¼", 1.½", 2", 2.½", 3" e 4"
Métrics: M16, M20, M25, M32, M40, M50, M63 e M75, M80, M90, M100.

Markings:
Ex db IIC Gb Ex eb IIC Gb
Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Temperatura de trabalho

-20°C to +90°C
with the use of NBR and VITON rubbers

-40°C to +100°C
with the use of SILICONE rubbers

- Compliance certification

OCP 0160 (INMETRO BRAZIL)

- Degree of protection for Brass, Nickelplated Brass and Aluminum
IP66/IP67/IP68 up to 50m for 30 minutes

- Degree of protection (Salt spray) for stainless steel 304L and 316L
IP66W/IP67W/IP68W up to 50m for 30 minutes

- Protection against explosive gases and Dust

Applications

- IPetrochemical Industry
- Offshore
- Naval Industry

FEMALE TO FEMALE ADAPTERS
STAINLESS STEEL, BRASS AND ALUMINUM

The Female/Female Adapters, equipped with female threads at both ends, are utilized to connect two components, such as joining pipes, valves, or other devices with male/male threads. These adapters provide a secure and reliable connection, making them widely employed in systems that necessitate frequent assembly and disassembly. This feature enables easy connection and disconnection without the

Classification: Ex db / Ex eb / Ex ta
Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel
Threads: NPT e BSP ½", ¾", 1", 1.¼", 1.½", 2", 2.½", 3" e 4"
Métricos: M16, M20, M25, M32, M40, M50, M63 e M75, M80, M90, M100.

Markings:
Ex db IIC Gb Ex eb IIC Gb
Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Degree of protection for Brass, Nickel-plated Brass and Aluminum
  IP66/IP67/IP68 up to 50m for 30 minutes
- Degree of protection (Salt spray) for stainless steel 304L and 316L
  IP66W/IP67W/IP68W up to 50m for 30 minutes

Gas and dust protection

- Compliance certification

OCP 0160 (INMETRO BRAZIL)

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

PLUG Ex
STAINLESS STEEL, BRASS AND ALUMINUM

The ExSuper Plugs are available in the 'Allen Plug Headless,' 'Plug With Hexagonal Head,' and 'Allen Plug With Round Head' models.

Classification: Ex db / Ex eb / Ex ta

Materials: Copper-free Aluminum, Pure Marine Brass, Nickelplated Marine Brass and 304L and 316L Stainless Steel

Threads: NPT e BSP ½", ¾", 1", 1.¼", 1.½", 2", 2.½", 3"

Métrics: M16, M20, M25, M32, M40, M50, M63 e M75

Markings:
II 2 G Ex db IIC Gb Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Can be applied to the following conditions of use:
Ex db, Ex dc, Ex eb, Ex ec, Ex ia, Ex ib, Ex ic, Ex ma, Ex mb, Ex mc, Ex nA, Ex nR, Ex nC, Ex o, Ex pz, Ex px, Ex py, Ex q, Ex ta, Ex tb, Ex tc

Benefits

- Work temperature

-20°C to +90°C
with the use of NBR and VITON rubbers

-40°C to +100°C
with the use of SILICONE rubbers

-40°C to +200°C
Check available certifications for this temperature range

- Degree of protection for Brass, Nickel-plated Brass and Aluminum
IP66/IP67/IP68 up to 50m for 30 minutes

- Degree of protection (Salt spray) for stainless steel 304L and 316L
IP66W/IP67W/IP68W up to 50m for 30 minutes

- Gas and dust protection

- Compliance certification

OCP 0034

Applications

- Petrochemical Industry
- Offshore
- Naval Industry

PLASTIC PLUG
TGVP IN PP

The ExSuper TGVP Plastic Plug, also known as a 'cap,' is used to seal threaded holes in boxes, panels, lighting fixtures, and machines in general. It is applied in safe areas.

Material: Polypropylene

NPT Thread: 1/4", ½", ¾", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4" e 5"

BSP Thread: ½", ¾", 1", 1.1/2", 2", 2.1/2", 3" e 4"

Metric Thread: M16x1,5, M20x1,5, M25x1,5, M32x1,5, M40x1,5, M50x1,5, M63x1,5, M72x2, M75x1,5, M80x1,5

PG Thread: PG11, PG13.5, PG16, PG21, PG29, PG36, PG42, PG48

Benefits

- Work temperature

-10°C to +90°C

Safe area applications

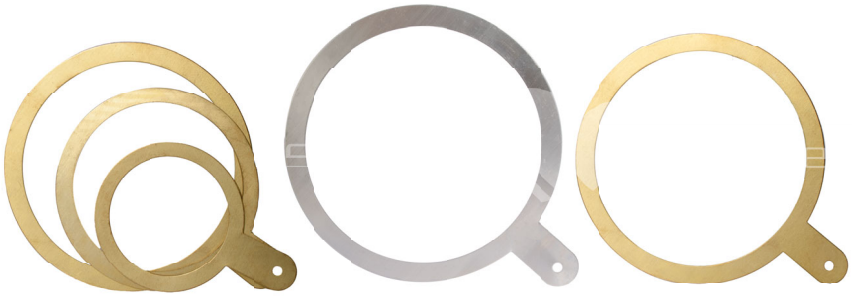
- Petrochemical Industry
- Naval Industry
- Industry in general

ACESSORIES

GROUNDING RINGS

Grounding rings can be used in conjunction with a cable gland, plug, or adapter, ensuring the safety of the installation.

Materials: Pure Naval Brass, Nickel-plated Naval Brass and 316L Stainless Steel



LOCK-NUT

The locknuts are made of aluminum, marine brass, nickel-plated marine brass, and 304L stainless steel and 316L. They are ideal for applications in thin-wall enclosures, securing connections in smooth entries (non-threaded), and are suitable for both industrial areas and classified areas.

Materials: Copper-free Aluminum, Pure Naval Brass, Nickel-plated Naval Brass and 304L and 316L Stainless Steel

SERRILHED WASHERS

The purpose of serrated washers is to prevent the loosening of threaded connections, making them ideal for applications where there are intense vibrations, such as installations close to engines. Another advantage is improved grounding in painted enclosures, as it facilitates electrical contact by removing paint and securing connections.

Materials: Pure Naval Brass, Nickel-plated Naval Brass and 316L Stainless Steel

ACESSORIES

PROTECTIVE COVERS

The protective covers for ExSuper Cable Glands are accessories made of EPDM, designed to safeguard the cable gland against external elements, including humidity, dust, corrosion, and adverse weather conditions.

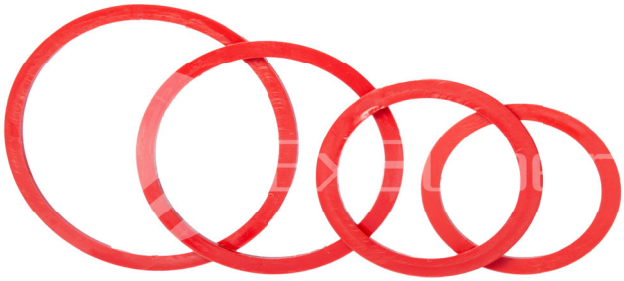
Note: The protective covers were exclusively developed for ExSuper cable glands and may not be compatible with products from other manufacturers.

Material: EPDM.
Work temperature: - 30°C to +90° C

SEALING RINGS

The sealing rings, made of polyamide, are suitable for installation with cable glands, plugs, and thread adapters in threaded or smooth connections (non-threaded), ensuring the sealing and IP protection of the equipment in the installation.

Material: Polyamide.
Work temperature: - 40°C to+120° C



CABLE GLAND PLUG

The plugs have been designed for use in conjunction with increased safety polyamide cable glands, ensuring the IP protection of the enclosure when there is no electrical cable installed in a particular entry. This eliminates the need to use a plug or cap.

Material Polyamide
Working temperature: - 20°C to +120° C

www.exsuper.com.br

ExSuper

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