

AEROSUSA

Cable Glands





AEROSUSA Cable Glands



Progress MS

Nickel-plated brass metal cable glands accepting cables from 2 mm to 95 mm. Short, long and specialty threads in Metric, Pg, and NPT threading.

- -40°C to 100°C
- Up to IP 69 protection
- TPE Seal



High-Temp

Nickel-plated brass metal cable glands accepting cables from 2 mm to 52 mm. Short and long threads in Metric and Pg.

- -40°C to 200°C
- Up to IP 69 protection
- FPM Seal



Synthetic

Polyamide cable glands accepting cables from 2.5 mm to 52 mm. Available in a variety of color, styles and threads, including Metric, Pg and NPT.

- -30°C to 100°C
- Up to IP 68 protection
- TPE or CR Seal



Multi-Cable

Polyamide and nickel-plated brass cable glands accepting between 2 and 6 cables in a single gland. Available in Metric and Pg threads.

- -40°C to 100°C
- Up to IP 68 protection
- TPE or CR Seal



EMC

Nickle-plated brass EMC rated cable glands. Designed to provide the smallest possible transfer impenence. Available in Metric and Pg threads.

- -60°C to 200°C
- Up to IP 69 protection
- TPE or FPM Seal



NFPA 130 / ASTM 1354 / EN 45545-3

Nickel-plated brass cable glands exceeding industry standards. Perfect for any rolling stock application.

- -40°C to 100°C
- Up to IP 69 protection



Ex Rated

Available in both nickel-plated brass and polyamide. Carrying IECEx and Ex certifications.

- -60°C to 200°C
- Up to IP 69 protection
- TPE or NBR Seal



ultraFLAT

Available in both nickel-plated brass and stainless steel. Low profile design reduces surface contact and tool interfearance.

- -40°C to 200°C
- Up to IP 69 protection
- TPE, FKM or FPM Seal

The first EMC cable gland with a crimped and “pluggable” EMC shield contact solution.

For the fastest and most reliable installation on the vehicle. EMC cable glands in action for electromobility.

The ongoing transformation of mobility, with alternative forms of propulsion increasingly used, presents vehicle manufacturers with new challenges. Electromagnetic compatibility (EMC) is not new to this sector, but the performance of modern electric drive trains, with various components incorporated in the high-voltage vehicle electrical system, greatly increases the demands on the required EMC cable glands.

Many manufacturers all around the world, from a wide variety of industries, rely on AerosUSA's expertise. The company's dependable industry solutions and innovative abilities have been earning their confidence for decades. For a number of years now, AerosUSA has also been applying this specialist knowledge to the field of electric mobility, and has developed a new product that is carefully tailored to meet its particular needs. The **EVolution EMC** cable gland not only satisfies the most demanding operational requirements; it can also be installed very quickly and reliably.



The best of both worlds:

Connectors and cable glands.

Amazingly simple and robust: The “pluggable” (easily disconnectable) EMC shield contact solution makes the **EVolution EMC** extremely powerful. Due to the unique design of this shield contact solution, it is the first EMC cable gland that is designed to facilitate maintenance and repair (e.g. sealing ring replacement).

E-mobility applications:



Public transport



Goods transport



Mobile machinery



Agricultural



Special vehicles



Yachts / ships

EMC-Technology simplified!

AerosUSA has set itself the challenge of developing an EMC cable gland that can withstand the effects of high switching frequencies from DC/DC converters and AC inverters. In this regard, the cable gland's operational reliability and durability are very important.

The result is **EVolution EMC**, a high-quality solution that impresses in relation to functionality, efficiency and reliability. This significantly shifts previous performance limits and the entire assembly process of cable glands into new dimensions. The pre-assembly and final installation are simplified and significantly more reliable.

View more
information online!



1. Push the cable lug through

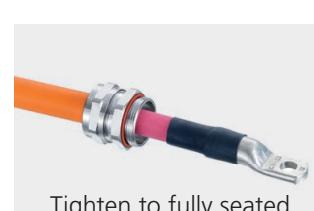


«Click»

2. Insert the contact sleeve



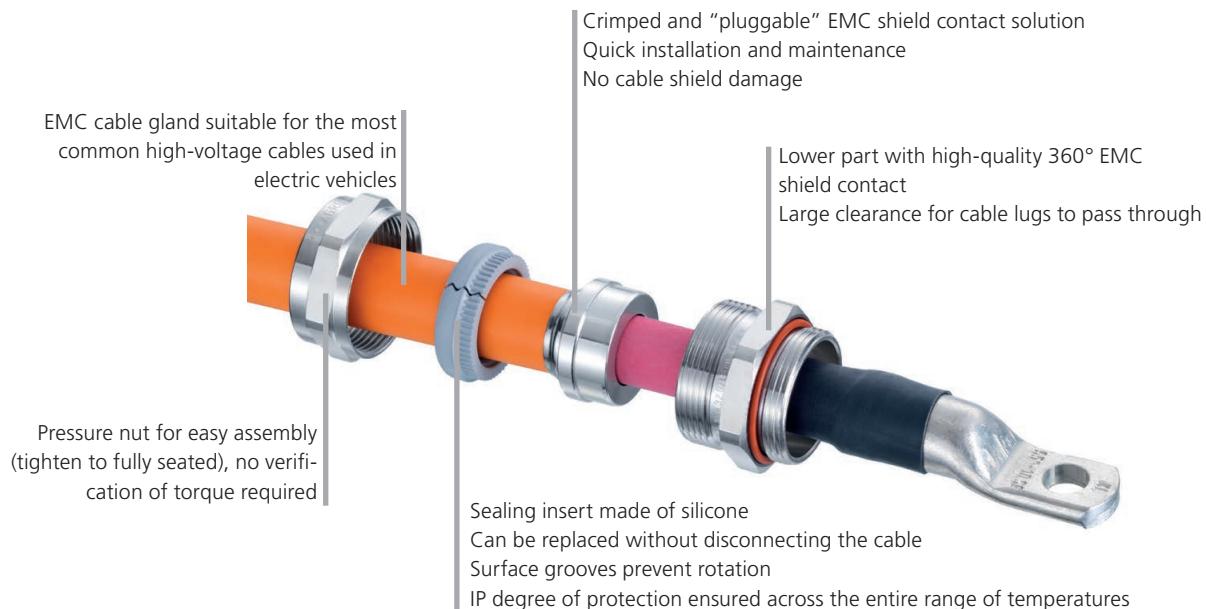
3. Slide over the sealing insert



Tighten to fully seated

4. Tighten the pressure nut

For simple and process reliable cable pre-assembly. **EVolution EMC.**



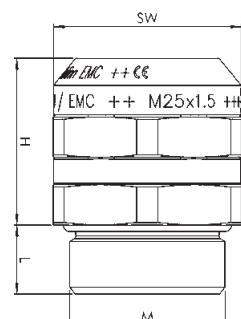
Advantages of **EVolution EMC**

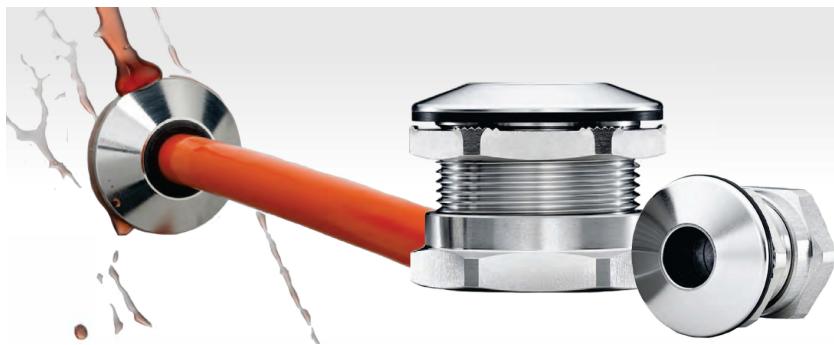
- Very quick installation on vehicles or compliance with prescribed installation cycle times
- Easy orientation of the cable lug (rotatable EMC contact solution)
- For the first time designed to facilitate maintenance or repair
- Significant time and cost savings during maintenance or repair work
- Reliably meets the most demanding operational requirements
- Very high shield current carrying capacity
- High shielding attenuation
- Lead-free brass, < 0.1% lead content (meets futur RoHS directive)
- System solution tailored to cable size
- High reliability of cable processing thanks to the hand-held device used (shield connection, crimping, assembly)
- **AXI-PRESS** crimping tool as a battery-powered hand-held device with appropriate inserts
- System solution that supports traceability (assembly process + product)



AXI-PRESS Crimping Tool

| Entry thread size | | | | |
|--|---------|---------|----------|--|
| M | M20x1.5 | M25x1.5 | M32x1.5 | |
| L (mm) short long | 6 10 | 7 11 | 8 13 | |
| H (mm) | 25.5 | 26.6 | 23.5 | |
| SW (mm) | 24 | 30 | 36 | |
| Clearance dia, lower part (mm) | 16.1 | 21.1 | 27.4 | |
| Cable cross section (mm ²) | 16 - 35 | 35 - 70 | 70 - 120 | |





AEROSUSA
INC.
aerosusa.com

service@aerosusa.com
717.238.1444
2409 Herr St • Harrisburg, PA 17103

