

New standard. Top provider.



- » **The new VG standard for naval cable glands** – the new **VG 88846-4 test standard on “Entries for cables and insulated wires” for watercraft** – was published on 01/12/2021.
- » It replaces the old VG 88773 standard.
- » **This means:**
Since July 2022, cable glands that comply with the VG 88846-4 standard must be used in all new projects for the German Navy.
- » There is currently **only one supplier in the market** offering appropriately certified cable glands: **PFLITSCH**.
- » **The product:**
The PFLITSCH blueglobe TRI NM/Cr EMC cable gland with metric marine thread, Bundeswehr and NATO-listed.
- » WTD 71 was responsible for developing the new standard, which is based on DIN EN 62444.

Expert advice

Let our naval expert advise you on the product advantages:

Benno Saßenbach
benno.sassenbach@pflitsch.de
Tel. +49 2192 911-168

Technical
information



PFLITSCH GmbH & Co. KG
Ernst-Pflitsch-Straße 1
42499 Hückeswagen
Germany
T +49 2192 911-0
info@pflitsch.de
www.pflitsch.de



NAVAL CABLE GLANDS

Uncompromising –
for maximum
safety on the
high seas

PFLITSCH blueglobe TRI NM/Cr:
the only cable gland that complies
with VG 88846-4.



Benefits of progress

OLD

Cable glands according to VG 88773 with double cone

Modern protection ratings can only be achieved with a combination of a sealing ring and heat shrink tubing: complicated assembly, susceptible to errors and ageing.

NEW

PFLITSCH blueglobe TRI NM/Cr offers numerous advantages and complies with the new VG 88846

Benefit from state-of-the-art technology: The innovative PFLITSCH EMC cable gland provides legendary ease of assembly. That saves time and prevents careless mistakes.

- » **Absolutely secure assembly:**
Bonding is guaranteed 100 % tight and no longer needs to be checked.
- » **Ready for the toughest applications:**
The bonding system worked without any problems throughout all salt spray and vibration tests.
- » **Ready for gigabyte networks:**
High attenuation, approved for Cat. 8A
- » **One system for all types of installation:**
Metric standard threads and metric marine threads. Training and documentation reduced to a minimum.

blueglobe TRI NM/Cr



- » Chrome-plated brass, bronze spring (non-magnetic)
- » Metric marine thread to DIN 89280 (variants with metric ISO thread also available)
- » With HNBR o-ring
- » Sealing inserts made from TPE
- » Type of protection IP 68 up to 15 bar, IP 69
- » Strain relief up to class B, EN 62444
- » Temperature range -33 °C/+90 °C
- » 65 dB signal reliability up to 1,000 MHz, 50+ dB up to 1.5 GHz
- » M16 x 1.5 to M72 x 2.0
- » 2 installation methods: offset outer sheath or continuous outer sheath



All points ticked off

- ✓ **Direct EMC protection:**
on-magnetic triangular spring made from CuSn6 (bronze). For even better screening attenuation values and higher current-carrying capacity.
- ✓ **EMC protection with uninterrupted shielding:**
The shielding can run from end to end without interruption. No change in the RF terminating resistance.
- ✓ **True VG standard instead of just "based on VG standard":**
Products tested and certified according to VG 88846. Smooth acceptance guaranteed.
- ✓ **More than the standard requires:**
The standard stipulates IP 56 protection; blueglobe TRI offers IP 68 up to 15 bar and IP 69K.
- ✓ **RoHS-compliant in every respect:**
For example, thanks to the use of chrome-plated brass; lead-free variants on request
- ✓ **100 % made in Germany means robust supply chains:**
Developed and manufactured in Germany
- ✓ **Outstanding supply capability:**
Good stock levels and small-parts logistics in-house; same-day shipping in many cases
- ✓ **Support for designers:**
Easy-to-download 3D CAD data available on www.pflitsch.de.

