

*MAY WE  
INTRODUCE:*



## **Our cable protection**

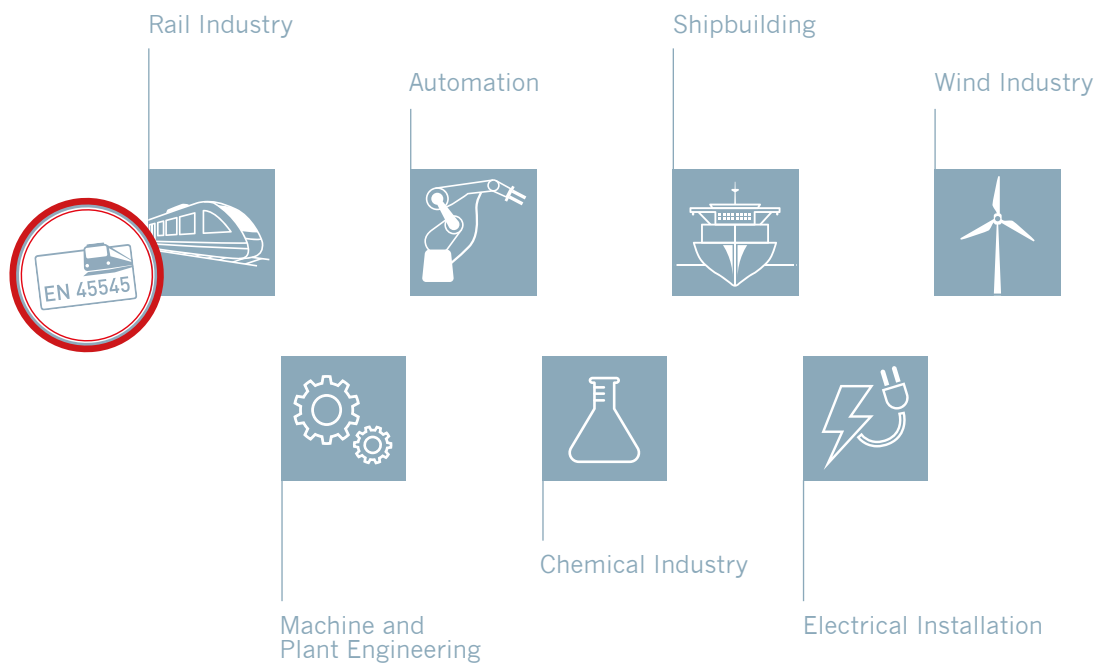
**BraceFITTING, BraceCONDUIT, BraceSLEEVE**

# OUR HERITAGE. YOUR BENEFIT.



Founded in Hamburg in 1919, as manufacturer of ship installation materials, we know the harsh climate on the coast and the challenges to man and material. These extreme conditions have shaped the demands on our products for nearly 100 years. The result is that everything we manufacture is made for the toughest environments.

## These markets trust our cable protection products:



# Simply strong: BraceFITTING, BraceCONDUIT, BraceSLEEVE.

The demands placed on cable protection products are justifiably high. Along with protection against external conditions such as the temperature, dirt and impact, handling must remain simple and convenient. A demand that our Brace® system meets. This leaflet showcases our extensive range of products to help solve your cable protection needs.



## Non-metallic BraceFITTING

360° protection. Unique handling.

## Non-metallic BraceCONDUIT

Flexible and firm at the same time.



## Metallic BraceFITTING

Extreme protection for extreme conditions.

## Metallic BraceCONDUIT

Reliable ruggedness for especially high level of protection.



## BraceSLEEVE

A wide array for every application field.

# Non-metallic BraceFITTING

## Things just clicked.

A new and unique product that many engineers have been waiting for: a sophisticated closure system and IP68 as standard are only two of the advantages that the installers love. You can find more reasons for the Brace® system right here at a glance.



Available in the colours black and grey.



With injected, visible O-ring seal.

### One product, many advantages:

- **Surprisingly easy to use** – thanks to the new hinged cover for lightning-fast opening and closing with one simple standard tool.
- **Highest protection as standard** – all variants of the non-metallic BraceFITTING with IP68 protection class.
- **Tear-proof** – thanks to a new closing system that directly grips in conduit.
- **Twice the security** – The directly injected O-ring seal ensures secure installation and perfect sealing properties.
- **Time-saving maintenance** – thanks to the external clearly visible O-ring seal.
- **Cost-saving storage** – A completely assembled product that keeps everything in one place saving on warehouse space, costs and time.

#### Technical data

#### Non-metallic BraceFITTING

- Fitting material: PA 6
- Sealing Material: TPU
- Protection class: IP68
- Fire class UL94: V0



## Made for the specific requirements of daily life.

Different sectors create different assembly challenges. The non-metallic BraceFITTING provides just as many potential applications. Various connection threads, pre-mounted delivery and injected, externally visible seal rings considerably simplify the life of any user and inspector. And with the standard IP68 protection, products with lower types of protection are now irrelevant.

**BraceFITTING with metal connecting thread**



**BraceFITTING with 45° angle**



**BraceFITTING with 90° angle**



BraceFITTING with 45° and 90° angles are also available with the metallic connection thread.

## We put together what belongs together.

When you order our cable protection solutions, we always provide advice based on our entire cable entry expertise. That means we always look for the solution that is perfect for you. For instance, if a strain relief on the cable or electromagnetic compatibility is needed, we offer you the most suitable solution from our versatile SPRINT cable gland series.

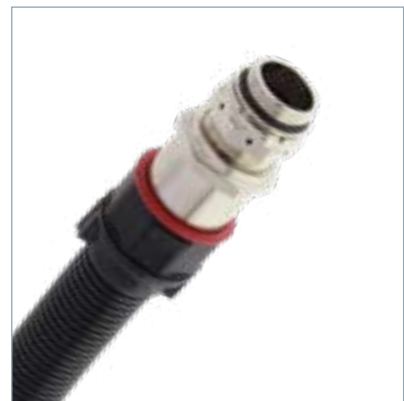
**BraceFITTING with standard cable gland**



**BraceFITTING with cable gland for EMC protection**



**BraceFITTING with venting cable gland**



# Non-metallic BraceCONDUIT

## Play it safe in your installations.

Sand, moisture, heat, acids: Cables have to defy the most extreme conditions. If they do not, high costs may arise due to downtimes and repairs. With our rugged conduits made of flexible plastics you permanently protect your cables in any application.



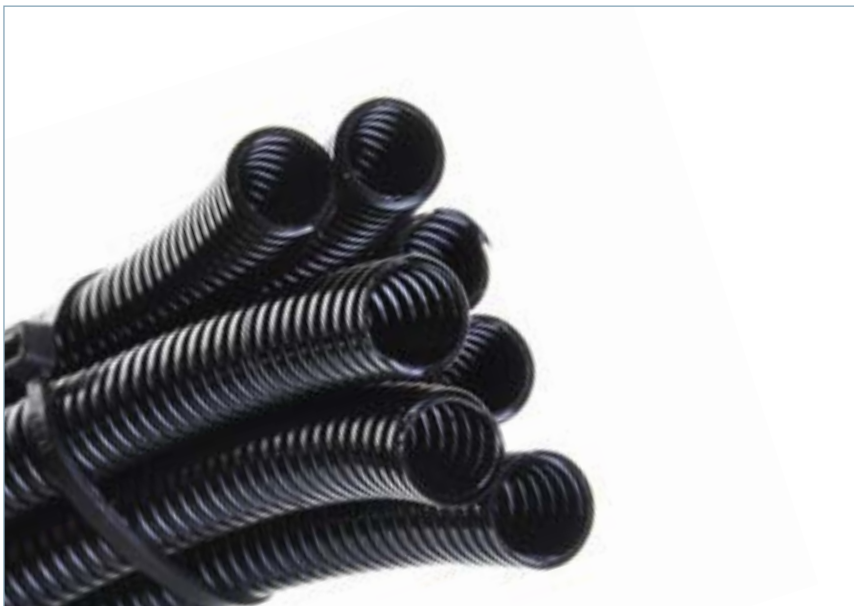
### These are your benefits:

- **Installation made easy** – Our conduits are made of polyamide 6 and polyamide 12 which make them flexible and hard at the same time. The best conditions for any kind of installation.
- **Together even stronger** – In combination with our non-metallic BraceFITTING, we offer our conduits with IP68 protection.
- **Extreme protection** – We provide our conduits in the fire protection classes V0, V2 and HB as per UL 94, which protect the cables from the most extreme exterior conditions.
- **Inner strength** – Our conduits do not merely protect cables from extreme conditions such as UV radiation. On top of that their material is free of halogens, phosphor and cadmium.
- **Protection in all sizes** – Our conduits are available in the nominal widths of 7 to 48.

## Safe is safe: Our BCC fastening clip.

The cover of the clip latches at three different points. Thanks to this feature, the clip only opens when you want it to. The integrated lip powerfully fixes to the conduit. Screws, nuts and C-rails additionally ensure fast, easy assembly.





### Jack of all trades

#### **BCA-S / BCAV-S**

Our "Jack of all trades" offers extremely versatile use.

- Made of polyamide 6
- Self-extinguishing
- Halogen-free, phosphor and cadmium-free
- Fire protection classes V0 and V2
- Protection against UV radiation
- BCA-S usable from -40 °C to 140 °C
- BCAV-S usable from -40 °C to 125 °C

### Heavyweight

#### **BCIB-H / BCAV-H**

Our "Heavyweight" protects cables thanks to the highest resilience under the toughest conditions.

- Made of polyamide 12 or 6
- Halogen-free, phosphor and cadmium-free
- Fire protection classes V2 and HB
- BCIB-H usable from -40 °C to 120 °C
- BCAV-H usable from -40 °C to 125 °C

### Lightweight

#### **BCAB-L**

Our "Lightweight" offers exceptional handling and flexibility.

- Made of polyamide 6
- Halogen-free, phosphor and cadmium-free
- Fire protection class HB
- Usable from -40 °C to 140 °C

### Acrobat

#### **BCIV-S**

Our "Acrobat" impresses with its excellent bend fatigue and strength.

- Made of polyamide 12
- Halogen-free, phosphor and cadmium-free
- Fire protection class V2
- Usable from -40 °C to 110 °C



### Twin

#### **BCA-D / BCAV-D**

The combination of two open conduit variants makes our "Twin" perfect for subsequent cable protection.

- Made of polyamide 6
- Self-extinguishing
- Halogen-free, phosphor and cadmium-free
- Fire protection classes V0 and V2
- Protection against UV radiation
- BCA-D usable from -40 °C to 140 °C
- BCAV-D usable from -40 °C to 125 °C

# Metallic BraceFITTING



## So simple when it comes to the crunch.

Our metallic BraceFITTING simplifies installation and reliably protects cables. With the IP67 protection as standard, it meets the highest demands placed on the application. The various colour schemes of the O-ring seals tell the user which conduit is the right one at a glance.



Yellow O-ring seal indicates use for flexible protective tubes with corrugated conduit profile.



Blue O-ring seal indicates use for flexible protective tubes with a smooth profile.

### These are your benefits:

- **The toughest under pressure** – Tightly turning the cap nut presses the hose connection socket and instantly ensures the highest leak-free connection.
- **Makes all the difference at first glance** – Along with the highest material and processing quality, thanks to the two differently-coloured O-ring seals, installers see which application is correct for the products.
- **High protection as standard** – thanks to an IP67 protection class throughout the system.
- **A tough performer** – Versatile in use, the metallic system protects against tearing off, twisting and vibration.
- **Everything from one source** – We supply the metallic BraceFITTING preassembled in one piece. That saves warehouse space and all the parts stay safely together until final assembly.

#### Technical data Metallic BraceFITTING

- Fitting material:  
brass nickel-plated
- Sealing material: PA
- Protection class: IP67



# Metallic BraceCONDUIT



## Takes the extreme out of extreme conditions.

Whether mechanical forces or natural influences: There are situations when normal cable protection is not enough. Our metallic conduits are designed and engineered to handle the highest of demands under the toughest of conditions.



### These are your benefits:

- **Highly tear resistant** – The reinforced crimp profiles perfectly mesh in the 45° angle, preventing tearing off even under harsh conditions.
- **Even stronger together** – In combination with our metallic BraceFITTING we guarantee IP67 protection.
- **Protection at the highest level** – Thanks to the material quality specification, the HL3 certified "Locomotive" conduit is ideal in case of fires.
- **Made for the most extreme conditions** – Our halogen-free conduits are torsion resistant, liquid-tight, corrosion protected, self-extinguishing, non-flammable and even protect cables against oils, alkaline solutions and acids.
- **Protection in all sizes** – Our flexible protective tubes are available in the nominal widths 10 to 50.



### Smooth / corrugated expert

#### BMCG-PVC-S / BMCG-PVC-C

Our experts made of galvanised steel protect cables against especially strong external stresses:

- Coating made of smooth or corrugated PVC
- Halogen-free
- Self-extinguishing
- Usable from -15 °C to 70 °C

# Metallic BraceCONDUIT



## Giant

### BMCG-PVC-S-GT



Our "Giant" for demanding cable protection:

- Made of galvanised steel in the PVC jacket
- Halogen-free
- Self-extinguishing
- Usable from -40 °C to 105 °C

## Locomotive

### BMCG-PU-C



Our "Locomotive" is perfect for rail traffic:

- Corrugated galvanised steel in the PVC jacket
- Halogen-free
- Self-extinguishing
- Very flexible
- Meets hazard level HL3 according to EN 45545
- Usable from -45 °C to 120 °C

## Fire protector

### BMCG-PVC-C-BG



Our "Fire protector" even protects cables in tough situations:

- Made of corrugated galvanised steel in the PVC jacket
- Halogen-free
- Self-extinguishing
- Flexible
- Usable from -15 °C to 70 °C

# BraceSLEEVE



## Thinking outside the box.

Multiple cables, e.g. for securely installing a robotic arm, are a great challenge even for experienced workers. With our flexible and easy to use braided and woven sleeves, cables are protected against heat, mechanical dirt and fire – regardless of where they are installed.

## FP

### Polyester sleeve



Tough against abrasion.

**Operating temperature:** -70 °C to 150 °C

**Material:** Polyester, monofilament

- Halogen-free
- Self-extinguishing
- High thermal resistance

## FGB-SC-2,5

### Glass fibre sleeve



Convinces with insulation properties up to 2.5 kV.

**Operating temperature:** -70 °C to 235 °C

**Material:** Glass fibre with special silicon rubber jacket

- Halogen-free
- Self-extinguishing
- Flexible
- Resistant to oils, fluids and aggressive chemicals

## FGB-SC-7,5

### Glass fibre sleeve



Convinces with insulation properties up to 7.5 kV.

**Operating temperature:**

-70 °C to 235 °C

**Material:** Glass fibre with special silicon rubber jacket

- Halogen-free
- Self-extinguishing
- Flexible
- Fire resistant
- Resistant to oils, fluids and aggressive chemicals

## FGB-SCE

### Glass fibre sleeve



Impresses with fire protection properties.

**Operating temperature:**

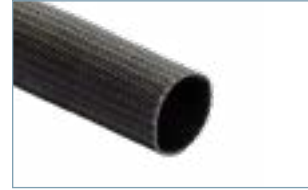
-70 °C to 300 °C

**Material:** Glass fibre with thick-walled, special silicon rubber jacket

- Halogen-free
- Self-extinguishing
- Flexible
- Fire resistant
- Resistant to oils, fluids and aggressive chemicals
- High thermal insulation

## FGB-SVI

### Glass fibre sleeve



Protects even against temperatures of up to 300 °C.

**Operating temperature:**

-70 °C to 300 °C

**Material:** Glass fibre impregnated with silicon paint

- Halogen-free
- Self-extinguishing
- Highly flexible
- Good abrasion resistance
- High resilience
- Electrical insulation protection class 250

## FGBOS-SC

### Open glass fibre sleeve



With excellent fire protection properties. Open/self-closing for subsequent assemblies.

**Operating temperature:**

-70 °C to 200 °C

**Material:** Glass-fibre and polyester with special silicon jacket

- Halogen-free
- Self-extinguishing
- Flexible
- Fire resistant
- Resistant to oils, fluids and aggressive chemicals

## PEOS

### Open polyester sleeve



Provides mechanical and thermal protection against electric operating equipment and components. Open/self-closing for subsequent assemblies.

**Operating temperature:**

-70 °C to 150 °C

**Material:** Polyester, monofilament with fire-resistant fibres

- Halogen-free
- Self-extinguishing
- Extra flexible
- Excellent abrasion resistance
- Very high closing force

## PSOS

### Open EMC sleeve



Resistant to electromagnetic radiation. Open/self-closing for subsequent assemblies.

**Operating temperature:**

-65 °C to 200 °C

**Material:** Polyphenylene sulphide (PPS), monofilament

- Halogen-free
- Self-extinguishing
- Highly flexible
- Good abrasion resistance
- High resilience

# EXPLORE THESE PRODUCT RANGES:



Cable glands



Cable entry systems



Grommets

## About WISKA®

We are one of the world's leading manufacturers of electrical equipment, maritime lighting solutions, and CCTV video surveillance for trade, industry and shipbuilding. Founded in 1919, today our family-owned company employs over 260 people worldwide. We operate our own research and development facilities and production plants at our headquarters in Germany and have a global network of representatives and subsidiaries who ensure a quick and effective on-site customer service for you.

Your expert for good times and quality manufacturing.  
All products can be found at [www.wiska.com](http://www.wiska.com)

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