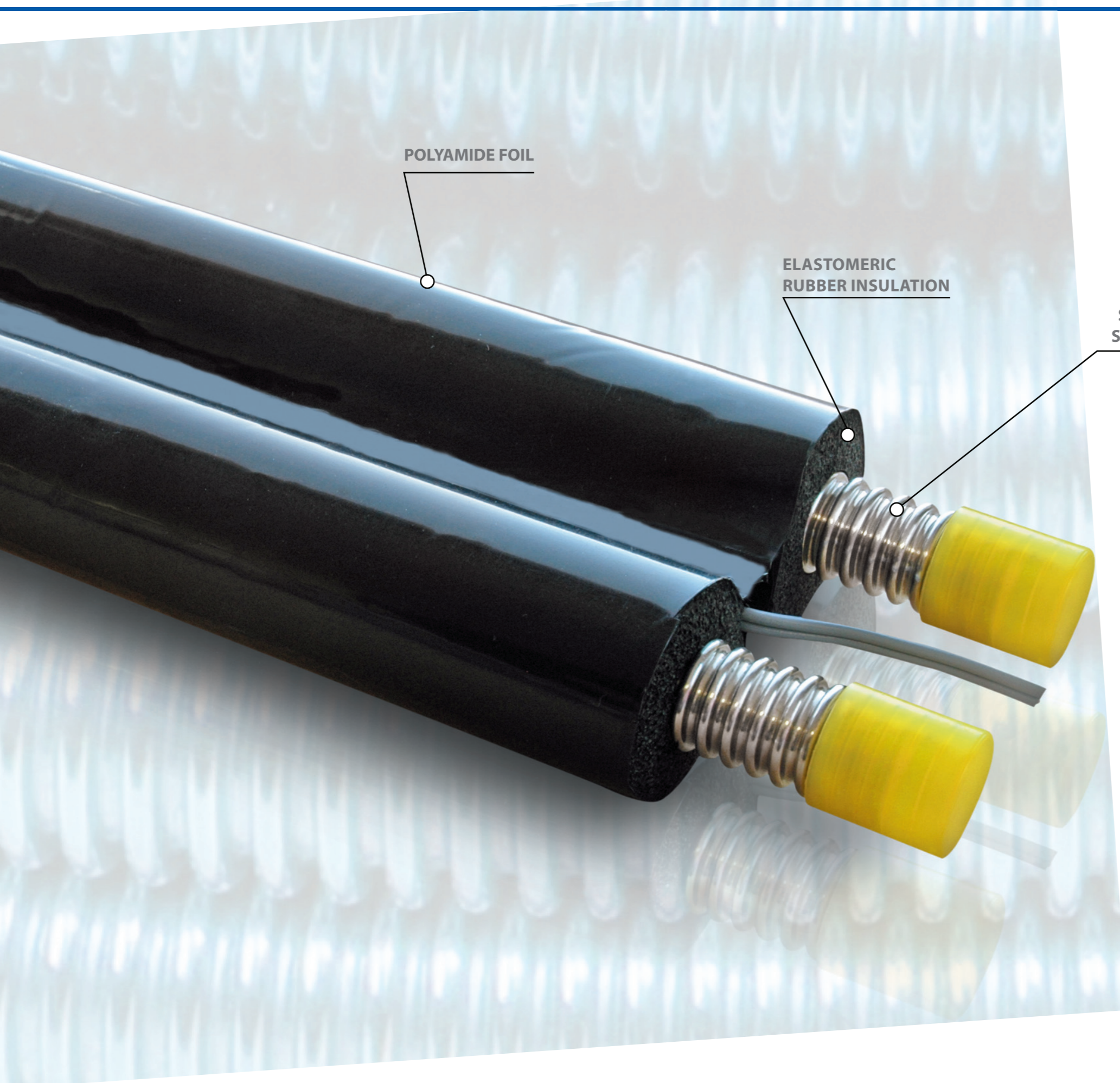


# SOLAR HOSE SPECIFICATIONS



POLYAMIDE FOIL

ELASTOMERIC  
RUBBER INSULATION

STAINLESS  
STEEL HOSE

# NON-BRAIDED INDUSTRIAL METAL HOSES

## APPLICATION AREAS

Heating, Air Conditioning and ventilization applications  
 Chemical and petrochemical plants  
 Oil and gas processing  
 Ship building and drilling  
 Food processing

## GENERAL HOSE FEATURES

Hose Type : Open pitch corrugated metal hose. acc.to DIN EN ISO 10380

Hose Material : Stainless Steel AISI 316L  
 AISI 304, 321 also available upon request

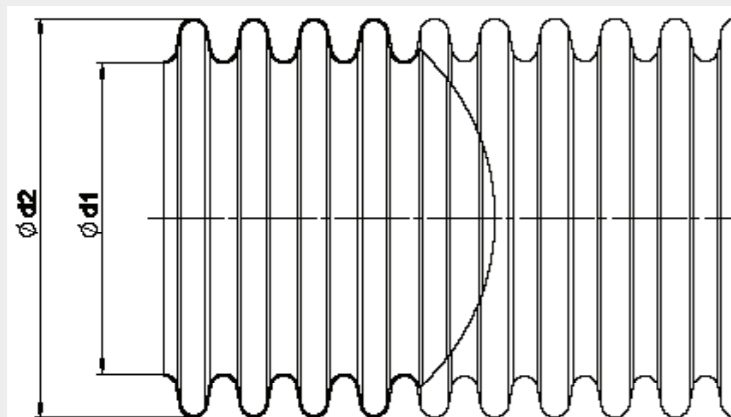
Temperature Range : Min. -270 °C up to max. 600 °C

## CORRUGATION SPECIFICATIONS



**Open Pitch Corrugated Flexible Metal Hose (AGA)**

## OPEN PITCH CORRUGATED FLEXIBLE METAL HOSE (AGA)



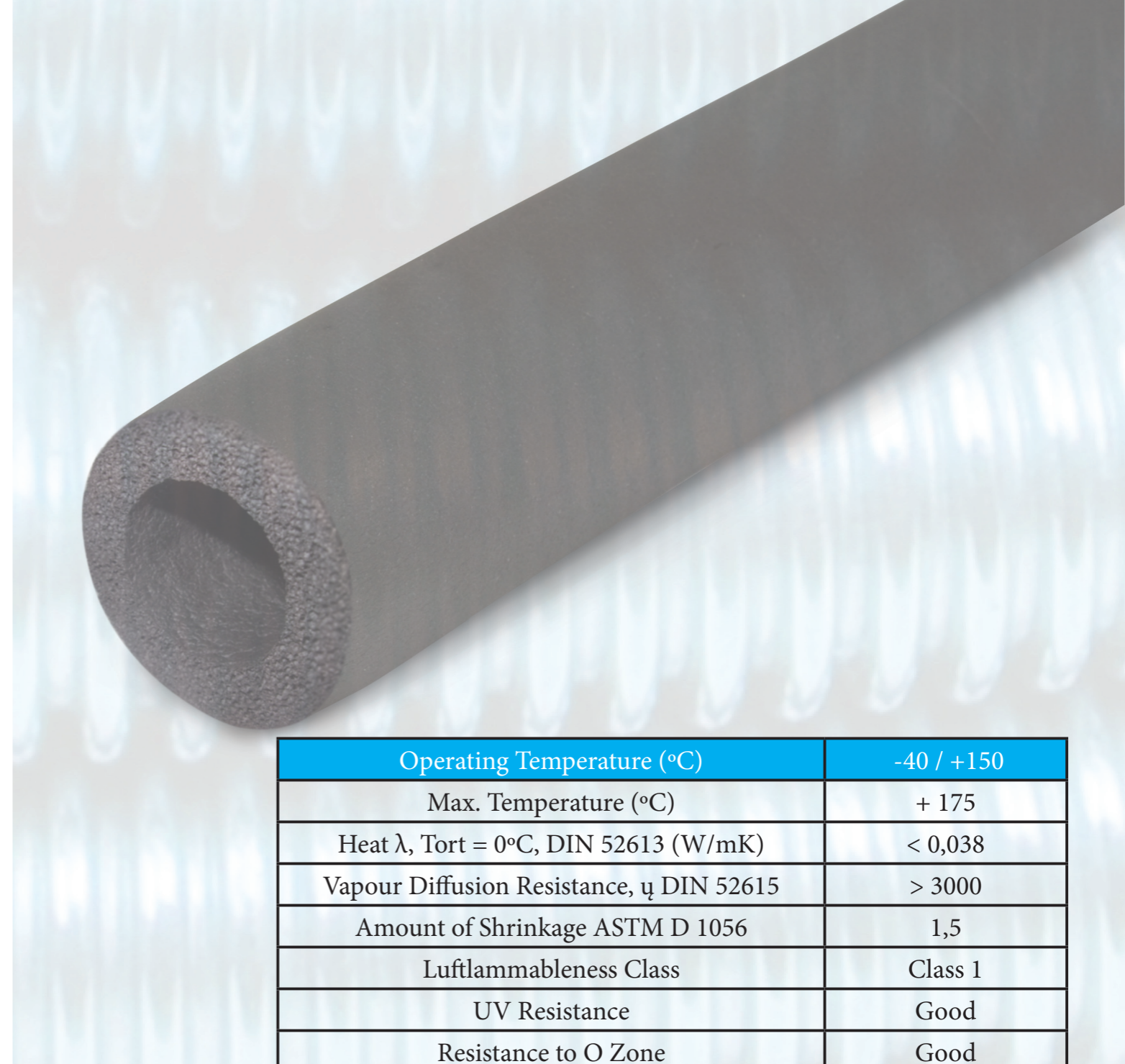
| DN | Ød1 Internal Diameter(mm) | Ød2 External Diameter(mm) | Tolerance ± mm | Wall Thickness (mm) | Bending Radius |         | PN bar | Corrugation Type | Surface Area |
|----|---------------------------|---------------------------|----------------|---------------------|----------------|---------|--------|------------------|--------------|
|    |                           |                           |                |                     | rmin (mm)      | rn (mm) |        |                  |              |
| 12 | 11,85                     | 15,85                     | 0,2            | 0,15                | 20             | 140     | 0-10   | Open Pitch       | 0,070m2      |
| 16 | 16,5                      | 21,35                     | 0,2            | 0,18                | 25             | 195     |        | Open Pitch       | 0,091m2      |
| 20 | 21,0                      | 26,6                      | 0,2            | 0,18                | 30             | 225     |        | Open Pitch       | 0,116m2      |
| 25 | 25,3                      | 31,7                      | 0,3            | 0,2                 | 35             | 260     | 0-8    | Open Pitch       | 0,151m2      |
| 32 | 32,4                      | 39,9                      | 0,3            | 0,3                 | 40             | 300     | 0-6    | Open Pitch       | 0,197m2      |

# INSULATION

## APPLICATION AREAS

- Hot & Cold Water Systems
- Cooling Systems
- Heating Systems
- Multisplit & Split Plants

| ID (mm) | COPPER (inch) | S.STEEL (inch) | WALL THICKNESS |      |       |       |
|---------|---------------|----------------|----------------|------|-------|-------|
|         |               |                | 6 mm           | 9 mm | 13 mm | 19 mm |
| 6       | 1/4"          |                | +              | +    | +     |       |
| 8       | 5/16"         |                | +              | +    | +     |       |
| 10      | 3/8"          | 1/8"           | +              | +    | +     | +     |
| 12      | 1/2"          |                | +              | +    | +     | +     |
| 15/16   | 5/8"          | 1/4"           | +              | +    | +     | +     |
| 18/19   | 3/4"          | 3/8"           | +              | +    | +     | +     |
| 20      |               |                | +              | +    | +     | +     |
| 22      | 7/8"          | 1/2"           | +              | +    | +     | +     |
| 25      | 1"            |                | +              | +    | +     | +     |
| 28      | 1 1/8"        | 3/4"           | +              | +    | +     | +     |
| 35      | 1 3/8"        | 1"             | +              | +    | +     | +     |
| 42      | 1 5/8"        | 1 1/4"         | +              | +    | +     | +     |
| 48      |               | 1 1/2"         |                | +    | +     | +     |
| 54      | 2 1/8"        |                |                | +    | +     | +     |
| 60      | 2 3/8"        | 2"             |                | +    | +     | +     |
| 64      | 2 1/2"        |                |                | +    | +     | +     |
| 70      | 2 5/8"        |                |                | +    | +     | +     |
| 76      | 3"            | 2 1/2"         |                | +    | +     | +     |
| 80      | 3 1/8"        |                |                | +    | +     | +     |
| 89      | 3 1/2"        | 3"             |                | +    | +     | +     |
| 102     |               | 3 1/2"         |                | +    | +     | +     |
| 108     | 4 1/4"        |                |                | +    | +     | +     |
| 114     | 4 1/2"        | 4"             |                | +    | +     | +     |



|  |            |
|--|------------|
| Operating Temperature (°C)                   | -40 / +150 |
| Max. Temperature (°C)                        | + 175      |
| Heat λ, Tort = 0°C, DIN 52613 (W/mK)         | < 0,038    |
| Vapour Diffusion Resistance, $\mu$ DIN 52615 | > 3000     |
| Amount of Shrinkage ASTM D 1056              | 1,5        |
| Luftflammableness Class                      | Class 1    |
| UV Resistance                                | Good       |
| Resistance to O Zone                         | Good       |
| Grease Resistance                            | Good       |
| Weather Resistance                           | Good       |
| Flexibility                                  | V. Good    |
| Smell  | Negligible |
| Fungus                                       | No         |

## PROTECTIVE FOIL

### Colour

Standard braiding colour is black. Different coloured may be produced on request.

### Operating Temperature

55 °C – 180 °C (heat stabilized) Melting Point is 255 °C

### Features

- High flexibility
- Ultra lightness
- High rupture strength
- Non-flammable
- Easy assemblage
- Wet-proof
- PVC-free design
- Highly UV and ozone resistant foil wrap

### Applications

- High mechanical protection required applications
- Cable protection
- Machine and robot industries
- Insulation surface protection

