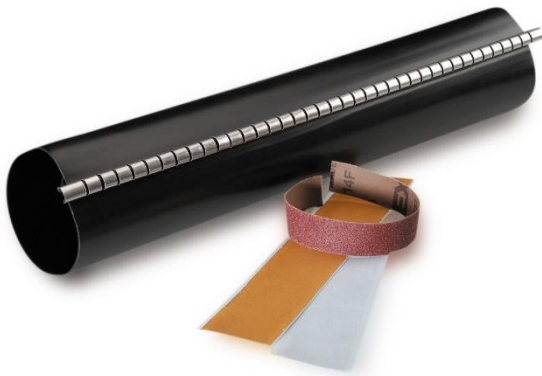


# sofamel

Product Technical Specifications

## Model MRA

Tapping blanket with adhesive



## Functionality

Adhesive-coated, heat-shrinkable wrap-around sleeve with a flexible stainless steel locking channel. Used for general jacketing and sealing applications, protection of damaged cables or as an outer jacket on cable joints.

## Product Features

- Provides hermetic sealing.
- Excellent mechanical resistance.
- Sealing procedure is fast, simple and clean.
- Blanket can be cut to suit application requirements.
- Stainless steel channel provides a permanent sealing system.
- Easy to install on-site over a live cable without cutting the cable or shutting off the power supply.
- Length up to 1.5 m.
- Shrinkage ratio: > 3:1.
- Continuous operating temperature: -35 °C to 100 °C.
- Shrinkage temperature: 120 °C.
- Non-flame retardant type.
- Not self-extinguishing
- Non-flame retardant



# Model MRA

Tapping blanket with adhesive

## Dimensions

| Code   | Ref.           | Contraction<br>Ø mm | Main | Tap | Length<br>(mm) | Thickness<br>(mm) |
|--------|----------------|---------------------|------|-----|----------------|-------------------|
| 378100 | MRA-4312/250   | 43 to 8             | 150  | 50  | 250            | 2,30              |
|        |                |                     | 150  | 25  |                |                   |
|        |                |                     | 95   | 95  |                |                   |
| 378110 | MRA-7218/250   | 75 to 15            | 240  | 95  | 250            | 2,30              |
|        |                |                     | 240  | 50  |                |                   |
|        |                |                     | 150  | 150 |                |                   |
|        |                |                     | 150  | 95  |                |                   |
| 378120 | MRA-7218/300   | 75 to 15            | 240  | 150 | 300            | 2,30              |
|        |                |                     | 240  | 240 |                |                   |
| 378200 | MRA-7218/500-E | 75 to 15            | 240  | 150 | 500            | 2,30              |

## Technical Characteristics

| Technical Characteristics                               | Values               | Test method        |
|---|----------------------|--------------------|
| <b>MATERIAL</b>   |                      |                    |
| Material  | Modified PE          | n/a                |
| Surface   | matte                | n/a                |
| Specific gravity  | 1.06+-0.05 g/cm3     | n/a                |
| Hardness D Shore  | >60                  | ISO 868            |
| Longitudinal shrinkage                                  | 10% max              | n/a                |
| <b>MECHANICAL PROPERTIES</b>                            |                      |                    |
| Breaking load   | 15.5 MPa             | DIN 53455/ISO R527 |
| Elongation  | 200% min             | DIN 53455/ISO R527 |
| <b>THERMAL PROPERTIES</b>                               |                      |                    |
| Tensile strength after thermal aging<br>(168h at 150°C) | 12.5 MPa min         | DIN 53455/ISO R527 |
| Carbon content for UV resistance                        | 150% min             | DIN 53455/ISO R527 |
| Cold bending  | 2.5% min             | VDE073             |
| Shrinkage temperature                                   | No breakage at -40°C | ISO 974            |
| Storage temperature                                     | 120°C                | n/a                |
| <b>CHEMICAL PROPERTIES</b>                              |                      |                    |
| Breaking load after fluid immersion                     | >12n/MM2             | ISO 175            |
| Elongation after fluid immersion                        | >150%                | ISO 175            |
| Water absorption of adhesive                            | < 0.1%               | ISO 175            |
| <b>ELECTRICAL PROPERTIES</b>                            |                      |                    |
| Electrical insulation                                   | 12Kv/mm              | ASTM D2671         |



# Model MRA

Tapping blanket with adhesive

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## Certifications

Tests according to:

**DIN 47632/VDE 0278:** Joint boxes of heat-shrinking plastic-hose for plastic insulated power cables up to 1000 V; allocation of conductor cross sections.

**HD623:** Specifications for splices, branches, retention terminals, and outer terminals of distribution cables of rated voltage 0.61/1.0 kV.