



HEAT SHRINK WRAPAROUNDS CNSM

FIBER-REINFORCED SLEEVES FOR OUTER PROTECTION AND REPAIR

KEY FEATURES

- Wraparound sleeves with fiber-reinforced composite laminate material
- Thermochromic paint and white line to indicate correct installation
- Semi-rigid material with excellent resistance against splitting, cut-through and mechanical abuse during and after installation
- REACH and RoHS Complaint
- Unlimited shelf-life

TE's Raychem CNSM heat shrink heavy-wall reinforced wraparounds are designed for cable re-jacketing and sealing of low, medium and high voltage cable accessories. The fiber-reinforced composite structure of our CNSM provides excellent resistance against split, cut-through and mechanical damage.

Our CNSM sleeves are supplied with a hot melt adhesive coating that ensures a permanent and reliable watertight seal. Green thermochromic paint distributed on the outer surface of the sleeves and a white dual stripe at the rail area serve as visual indicators for correct installation.

TE's Raychem CNSM sleeves accommodate a wide range of cable diameters from 8 mm to 200 mm.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Heat Shrink Wraparounds CNSM



TESTING

| Physical Characteristic | Test Method | Material Requirements |
|---|--|---|
| Burst Strength | ISO 3303 -A | 2000 N min. |
| Accelerated ageing 7 days at 150 °C ± 2 °C Burst Strength | ISO 3303 -A | 1600 N min. |
| Low Temp Flexibility | - 15 °C ± 3 °C | No sleeves cracking, adhesive lifting or cracking at largest application diameter |
| Dielectric Strength | ASTM D149 | ≥ 10 kV/mm min. |
| Water Absorption | ASTM F1249 | ≤ 0.3% max. |
| Corrosion | ASTM D 2671 Part A | No corrosion after 16h at 150 °C |
| Weathering | The material from which CNSM is manufactured contains carbon black (≥ 2.0 %) to protect it from ultra-violet light | |
| Application characteristics | | |
| Operating temperature range | - 30 °C up to + 100 °C | |
| Installation / Shrinking temp | > 120 °C | |
| Shrink ratio | > 3 : 1 | |
| Longitudinal shrinkage free recovered | ≤ 5 % | |

PRODUCT SELECTION INFORMATION

| Description | Application Range (mm) | | Diameter | | Wall Thickness | |
|-------------|------------------------|------|----------------|---------------|----------------|----------------|
| | min. | max. | Recovered max. | Expanded min. | Expanded nom | Recovered min. |
| CNSM 45/8 | 8 | 45 | 8 | 53 | 1.1 | 3 |
| CNSM 55/12 | 12 | 55 | 12 | 66 | 1.1 | 3 |
| CNSM 84/15 | 15 | 84 | 20 | 92 | 1.1 | 3 |
| CNSM 100/25 | 25 | 100 | 25 | 115 | 1.1 | 3 |
| CNSM 125/30 | 30 | 125 | 30 | 136 | 1.1 | 3 |
| CNSM 146/34 | 34 | 146 | 38 | 162 | 1.1 | 3 |
| CNSM 164/42 | 42 | 164 | 42 | 176 | 1.1 | 3 |
| CNSM 200/50 | 50 | 200 | 50 | 216 | 1.1 | 3 |

ORDERING INFORMATION

CNSM wraparound - coated with hot melt adhesive

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|-------------------------|
| CNSM-45/8-1000/AC(S5) |
| CNSM-55/12-1000/AC(S5) |
| CNSM-84/15-1000/AC(S5) |
| CNSM-100/25-1000/AC(S5) |
| CNSM-125/30-1000/AC(S5) |
| CNSM-146/34-1000/AC(S5) |
| CNSM-164/42-1000/AC(S5) |
| CNSM-200/50-1000/AC(S5) |

All sizes are available in the Standard length of 1000 mm. Other lengths are available upon request. Please contact your local TE Energy sales representative.

te.com/energy

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