



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	Recover 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

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.

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