

# WASA Wraparound Heat Shrink Cable Repair Sleeves



## Features and Benefits

- Quick and easy installation
- Maximum protection against mechanical stress
- Good bonding to standard cable jacket materials
- For insulation on low voltage cable up to 1000V and for jacket repair on cable up to 35kV
- Excellent performance in harsh environmental conditions
- Hot melt adhesive forms a durable, moisture resistant seal

## Application

Mosdorfer CCL WASA Wraparound Heat Shrink Cable Repair Sleeves are designed to quickly repair damaged cable jacketing. They may also be used to re-jacket in-line splices. WASA wrap

sleeves can be used as insulation material on cable and splices up to 1000 volts and as jacket repair material on cable up to 35kV. The design of the wrap sleeve allows it to be installed in tight spaces with ordinary heating equipment such as a torch.

## Technical Features

Mosdorfer CCL WASA is made from modified cross-linked polyolefin, with a hot-melt adhesive liner on the inner side of the sleeve. Upon heating, the sleeve shrinks and the adhesive melts, creating a water-tight bond between the sleeve and the cable. A corrosion proof metal channel is used to close the sleeve during installation. Mosdorfer CCL WASA wrap sleeves are stocked in four lengths and five diameters. Other cut lengths are available upon request.

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## Application Guide

Part Number	Length (mm)	Jacket Repair	Sleeve Dimensions	
		Use Range max./min. (mm)	Expanded Diameter (mm)	Recovered Diameter (mm)
WASA 5515-500	500	55-15	55	15
WASA 5515-750	750	55-15	55	15
WASA 5515-1000	1000	55-15	55	15
WASA 5515-1500	1500	55-15	55	15
WASA 7522-500	500	75-22	75	22
WASA 752-750	750	75-22	75	22
WASA 7522-1000	1000	75-22	75	22
WASA 7522-1500	1500	75-22	75	22
WASA 10030-500	500	100-30	100	30
WASA 10030-750	750	100-30	100	30
WASA 10030-1000	1000	100-30	100	30
WASA 10030-1500	1500	100-30	100	30
WASA 13835-500	500	138-35	138	35
WASA 13835-750	750	138-35	138	35
WASA 13835-1000	1000	138-35	138	35
WASA 13835-1500	1500	138-35	138	35
WASA 18555-500	500	185-55	185	55
WASA 18555-750	750	185-55	185	55
WASA 18555-1000	1000	185-55	185	55
WASA 18555-1500	1500	185-55	185	55



1 Sleeve is positioned over splice or damaged area and closed with metal channel.



2 Heat is applied to shrink the sleeve and melt the adhesive liner.



3 Finished sleeve is moisture resistant and durable.

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## Material Properties:

Material Properties		Test Method Requirement		
<b>Tensile Strength</b>		ISO 37		17 MPa
<b>Ultimate Elongation</b>		ISO 37		350% min.
<b>Density</b>		ISO 1183	Method A	1.0 – 1.2 g/cm <sup>3</sup>
<b>Hardness</b>		ISO 868		50 – 70 D
<b>Accelerated Ageing</b>	7 days at 150°C ± 2°C	ISO 188		
	Tensile Strength	ISO 37		14 MPa min.
	Ultimate Elongation	ISO 37		300% min.
<b>Thermal Endurance</b>		IEC 60216		120°C
<b>Low Temperature Flexibility</b>	4 hours at -30°C ± 3°C	ASTM D2671	Procedure C	No cracking
<b>Electric Strength</b>		IEC 60243		1 mm 180 kV/cm min. 3.5 mm 120 kV/cm min.
<b>Volume Resistivity</b>		IEC 60093		1 x 10 <sup>12</sup> Ω cm min.
<b>Dielectric Constant</b>		IEC 60250		5 max.
<b>Water Absorption</b>	14 days at 23°C ± 2°C	ISO 62	Method 1	0.5% max.
<b>Resistance to Liquids</b>	7 days in transformer oil at 23°C ± 2°C (VDE 0370)	ISO 1817		
	Tensile Strength	ISO 37		14 MPa min.
	Ultimate Elongation	ISO 37		300% min.
<b>Resistance to Fungi</b>		ASTM G21		Pass Rating 1

**Weathering** The material, from which WASA is manufactured, contains carbon black to protect it from ultra-violet radiation.

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