

## Heat-shrinkable wraparound system for rubber sheathed cable repair

Raychem MRSM wraparounds are a fast, versatile and permanent repair for damaged flexible cable over-sheaths. Since they are heat-shrinkable, several cable sizes and types can be repaired by any one size of MRSM wraparound. This one-step installation method ensures a tight, moisture-proof and insulating seal which is reliable and repeatable. Each wraparound is supplied complete with precise instructions for use.

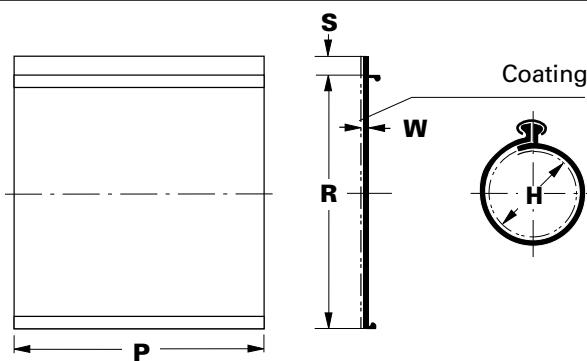
High abrasion resistance, flexibility and insulating properties are combined in the tough modified polyolefin material from which MRSM wraparounds are made. Quickly fitted in place by means of its rail and channel closure, heating above 125°C causes the repair sleeve to shrink in diameter to fit the cable. At the same time the adhesive liner melts and seals against fluids and dirt, thus completing the job.



MRSM Properties	Test Method		Typical Data
Tensile Strength	ISO 37		12 MPa min.
Ultimate Elongation	ISO 37		350 % min.
Density	ISO/R 1183	Method A	1.1 - 1.3 g/cm <sup>3</sup>
Hardness	ISO 868		30 - 50 D
Thermal Endurance*	IEC 60216		105°C min.
Low Temperature Flexibility	4 hours at -40°C ±3°C	ASTM D2671 Procedure C	No cracking
Dielectric Strength	IEC 60243		130 kV/cm min.
Volume Resistivity	IEC 60093		1x10 <sup>14</sup> Ω cm min.
Flammability	ICEA-S-19-81		Self extinguishing after 60 sec max.
Water Absorption	ISO 62	Method 1	0.5% at 23°C ±2°C after 14 days max.
Weathering	The material from which MRSM is manufactured contains carbon black to protect it from ultra-violet light.		

\*based on ultimate elongation

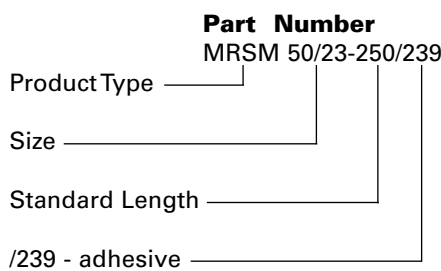
Dimensions



Product/Size	Application Range (diameter)	H		R		S	W		P
		a min	b max	a min	b max	a ±4	a min	b min	±15
MRSM 50/23	25 - 40	50	23	159	72	25	0.8	1.8	250/600
MRSM 73/38	40 - 58	73	38	230	119	25	0.5	1.8	300/600/750
MRSM100/51	58 - 89	100	51	320	161	25	0.5	1.8	250/600/750

**Notes:** 1. Dimensions in millimeters a = as supplied b = after free recovery  
 2. Max. longitudinal change after free recovery: ±10 %  
 3. Other lengths and sizes on request

Ordering Example



All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. ALR, AMP, AXICOM, B&H, BOWTHORPE EMP, CROMPTON INSTRUMENTS, DORMAN SMITH, DULMISON, GURO, HELLSTERN, LA PRAIRIE, MORLYNN, RAYCHEM, and SIMEL are trademarks.



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