

# Introducing RMW

Rugged, medium wall RMW tubing is specifically designed for use in a broad range of low-voltage applications. RMW is tough and flexible, making it particularly suited for the insulation and protection of cable joints in low voltage electrical systems as well as for cable repair. Uncoated RMW provides insulation and strain relief. Adhesive-lined RMW also provides an environmental seal. RMW is a good choice for applications where maximum reliability and product performance and simplified installation are required.



## KEY FEATURES

- Withstands mechanical abuse for increased product reliability
- Resistant to impact and abrasion
- Resistant to chemicals and moisture
- Adhesive-lined version provides a complete moisture-proof seal preventing corrosion of underlying components
- Adhesive liner specially formulated to seal to most common insulation materials including crosslinked polyolefin, PVC, neoprene and other elastomeric materials as well as most metals
- Available in sizes ranging from 10mm to 285mm as supplied to cover a wide range of cable sizes and splice diameters
- Fast easy installation with a torch or heat gun
- High shrink ratio to cover uneven substrates
- UV Resistant
- RoHS compliant

## APPLICATIONS

- Power Distribution
- Trucks and buses
- Heavy Equipment
- Rail cars and locomotives
- Shipyards
- Underground wells

## SAMPLES NOW AVAILABLE

[te.com/products/RMW](http://te.com/products/RMW)

## ELECTRICAL

- Medium wall provides reliable electrical insulation

## MECHANICAL

- Medium wall withstands mechanical abuse
- Resistant to impact and abrasion
- Provides strain relief when installed on splices and joints
- Particularly suited for cable jacket repair

## TEMPERATURE RATING

- Full recovery temperature: 125°C [257°F]
- Operating Temperature range: -40°C to 110°C [-40°F to 230°F]

## STANDARDS AND SPECIFICATIONS

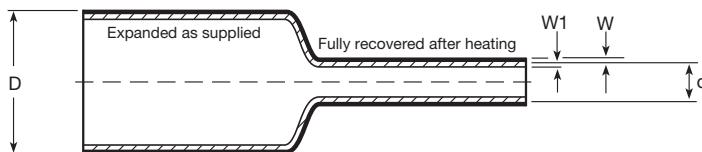
- RMW SCD

## ORDERING INFORMATION

- Color: Black only
- Standard packaging: 1200MM lengths
- Ordering description: Specify product name, size, length, coating and color; for example, RMW-16/5-1200/ADH-O.
- Always order the largest size that will shrink snugly around the component being covered.
- Special cut lengths are available upon request.
- Marking: Tubing will be marked with product name, size and batch number.



## RMW DIMENSIONS



Size	Minimum Expanded I.D. (D)		Maximum Expanded I.D. (d)		Nominal Recovered Jacket Wall (W minus W1)		Nominal Recovered Adhesive Wall (W1)	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.
10/3	.394	10	.118	3	.039	1.0	.010	.25
16/5	.630	16	.197	5	.055	1.4	.012	.30
25/8	.984	25	.315	8	.079	2.0	.014	.35
35/12	1.378	35	.472	12	.079	2.0	.014	.35
50/16	1.968	50	.630	16	.079	2.0	.014	.35
63/19	2.480	63	.748	19	.095	2.4	.016	.40
75/22	2.953	75	.866	22	.106	2.7	.016	.40
85/25	3.346	85	.984	25	.110	2.8	.016	.40
95/29	3.740	95	1.142	29	.122	3.1	.018	.45
115/34	4.527	115	1.339	34	.122	3.1	.018	.45
140/42	5.512	140	1.654	42	.122	3.1	.018	.45
160/50	6.300	160	1.968	50	.126	3.2	.020	.50
180/60	7.087	180	2.362	60	.126	3.2	.020	.50
245/80*	9.646	245	3.150	80	.095	2.4	N/A	N/A
285/135*	11.220	285	5.315	135	.055	1.4	N/A	N/A

\*Uncoated only

## PRODUCT OFFERING

Material Description	Material Number
RMW-10/3-1200/ADH-O	C71645-000
RMW-10/3-1200/U-O	F35964-000
RMW-115/34-1200/ADH-O	C12980-000
RMW-115/34-1200/U-O	E34697-000
RMW-140/42-1200/ADH-O	C31677-000
RMW-140/42-1200/U-O	E64798-000
RMW-16/5-1200/ADH-O	397892-000
RMW-16/5-1200/U-O	F43323-000
RMW-160/50-1200/ADH-O	F46631-000
RMW-160/50-1200/U-O	E24686-000
RMW-180/60-1200/ADH-O	F37103-000

Material Description	Material Number
RMW-180/60-1200/U-O	D87452-000
RMW-25/8-1200/ADH-O	782628-000
RMW-25/8-1200/U-O	A35258-000
RMW-25/8-490/U-O	CN2228-000
RMW-25/8-80/ADH-O	909858-000
RMW-35/12-1200/ADH-O	420356-000
RMW-35/12-1200/U-O	E76068-000
RMW-35/12-80/ADH-O	E93139-000
RMW-50/16-100/ADH-O	644770-000
RMW-50/16-1200/ADH-O	420494-000
RMW-50/16-1200/U-O	C36400-000
RMW-63/19-100/ADH-O	358414-000
RMW-63/19-1200/ADH-O	166916-000
RMW-63/19-1200/U-O	F61441-000
RMW-75/22-1200/ADH-O	934922-000
RMW-75/22-1200/U-O	F55912-000
RMW-85/25-1200/ADH-O	E52178-000
RMW-85/25-1200/U-O	D57524-000
RMW-95/29-1200/ADH-O	068792-000
RMW-95/29-1200/U-O	D12371-000

## SAMPLE INVENTORY

RMW-16/5-1200/ADH-O
RMW-25/8-1200/ADH-O
RMW-35/12-1200/ADH-O
RMW-50/16-1200/ADH-O
RMW-63/19-1200/ADH-O
RMW-75/22-1200/ADH-O
RMW-95/29-1200/ADH-O
RMW-160/50-1200/ADH-O
RMW-180/60-1200/ADH-O

[te.com/products/RMW](http://te.com/products/RMW)

## PROPERTY REQUIREMENTS

Property	Unit	Requirement	Test Method
Dimensions	Inch (mm)	Table 1	ASTM D2671
Tensile Strength	psi (MPa)	1750 minimum (12)	ASTM D2671
Ultimate Elongation	Percent	350 minimum	ASTM D2671
Longitudinal Change	Percent	+5 to -15 maximum	ASTM D2671
Specific Gravity		1.2 maximum	ASTM D792
Hardness	Shore D	40 - 60	ASTM D2240
Low Temperature Flexibility 4 hrs @ -40°C		No cracking	ASTM D2671
Heat Resistance 168 h @150°C followed by Ultimate Elongation	Percent	350 minimum	ASTM D2671
Fungus Growth		Rating of 1 or less	ASTM G21
<b>ELECTRICAL</b>			
Dielectric Strength	V/mil (kV/cm)	300 minimum (120)	ASTM D149
Volume Resistivity	Ohm-cm	1 X 10 <sup>12</sup> minimum	ASTM D257
<b>CHEMICAL</b>			
Fluid Resistance 168 hrs @ 23°C			
Immersion in VDE 0370 oil followed by tests for:			
Tensile Strength	psi	1450 minimum (10)	ASTM D2671
Ultimate Elongation	Percent	300 minimum	
Corrosive Effect 16 hrs @ 150°C		Noncorrosive	ASTM D2671, Proc. A
Water Absorption 24 hrs @ 23°C	Percent	0.50 maximum	ASTM D570

## RMW &amp; RHW ORDERING DESCRIPTION

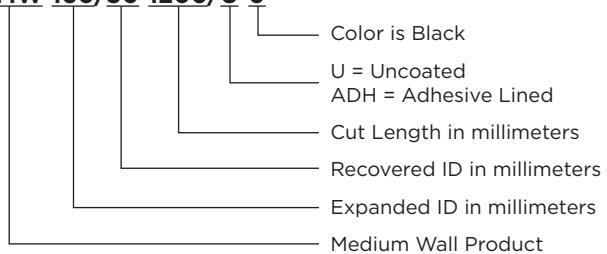
## Example 1:

RHW-130/36-1200/ADH-0



## Example 2:

RMW-160/50-1200/U-0



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[te.com/products/RMW](http://te.com/products/RMW)

# Mouser Electronics

Authorized Distributor

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[RMW-160/50-1200/ADH-0](#)