



Introducing RHW

Rugged, heavy wall RHW tubing is specifically designed for insulating, protecting and sealing electrical connections and joints in low-voltage cables. RHW is the ideal choice whenever maximum mechanical protection is required in an electrical insulation system. The material used to manufacture RHW is both halogen-free and UV resistant. It provides splice insulation thickness equal to or greater than standard wire insulation manufactured to common industry standards.

KEY FEATURES

- Withstands mechanical abuse for increased product reliability
- Highly resistant to impact and abrasion
- Provides high level of strain relief when installed on splices and joints
- Resistant to chemicals, moisture and oils
- Provides a complete moisture-proof seal preventing corrosion of underlying components
- Available in sizes ranging from 12mm to 390mm as supplied to cover a wide range of cable sizes
- 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
- Easy to install with a torch or heat gun
- High shrink ratio to cover uneven substrates
- Halogen-free
- UV Resistant
- RoHS compliant

APPLICATIONS

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

SAMPLES NOW AVAILABLE

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ELECTRICAL

- Heavy wall provides excellent electrical insulation

MECHANICAL

- Heavy wall withstands mechanical abuse
- Highly resistant to impact and abrasion
- Provides high level of strain relief when installed on splices and joints

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

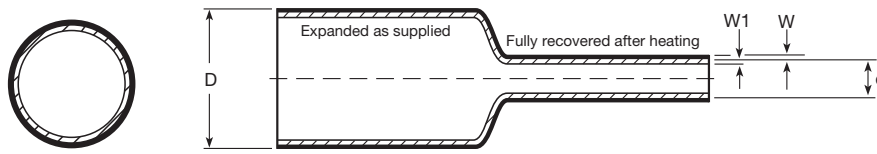
- RHW SCD
- UL File E91151 (Sizes 12/3 through 70/20 only)

ORDERING INFORMATION

- Color: Black only
- Standard packaging: 1200MM lengths
- Ordering description: Specify product name, size, length, coating and color; for example, RHW-16/4-1200/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.



DIMENSIONS



| Size | Minimum Expanded I.D. (D) | | Maximum Recovered I.D. (d) | | Minimum Recovered Jacket Wall (W minus W1) | | Nominal Recovered Adhesive Wall (W1) | |
|---------|---------------------------|-----|----------------------------|-----|--|-----|--------------------------------------|-----|
| | in. | mm. | in. | mm. | in. | mm. | in. | mm. |
| 12/3 | .472 | 12 | .118 | 3 | .079 | 2.0 | .010 | .25 |
| 16/4 | .630 | 16 | .158 | 4 | .095 | 2.4 | .012 | .30 |
| 24/6 | .945 | 24 | .236 | 6 | .106 | 2.7 | .014 | .35 |
| 34/8 | 1.339 | 34 | .315 | 8 | .157 | 4.0 | .014 | .35 |
| 48/12 | 1.890 | 48 | .472 | 12 | .177 | 4.5 | .016 | .40 |
| 56/16 | 2.205 | 56 | .630 | 16 | .173 | 4.4 | .016 | .40 |
| 70/20 | 2.756 | 70 | .787 | 20 | .173 | 4.4 | .016 | .40 |
| 90/25 | 3.543 | 90 | .984 | 25 | .169 | 4.3 | .016 | .40 |
| 110/30 | 4.331 | 110 | 1.181 | 30 | .169 | 4.3 | .018 | .45 |
| 130/35 | 5.118 | 130 | 1.378 | 35 | .169 | 4.3 | .018 | .45 |
| 160/50 | 6.299 | 169 | 1.968 | 50 | .169 | 4.3 | .018 | .45 |
| 180/50 | 7.087 | 180 | 1.968 | 50 | .169 | 4.3 | .020 | .50 |
| 200/50 | 7.874 | 200 | 1.968 | 50 | .169 | 4.3 | .020 | .50 |
| 250/65 | 9.842 | 250 | 2.559 | 65 | .169 | 4.3 | .020 | .50 |
| 320/95 | 12.598 | 320 | 3.740 | 95 | .169 | 4.3 | .024 | .60 |
| 390/110 | 15.354 | 390 | 4.331 | 110 | .169 | 4.3 | .024 | .60 |

PRODUCT OFFERING

| Material Description | Material Number |
|-----------------------|-----------------|
| RHW-110/30-1200/ADH-O | CX7197-000 |
| RHW-12/3-1200/ADH-O | CX7208-000 |
| RHW-130/35-1200/ADH-O | CX7199-000 |
| RHW-16/4-1200/ADH-O | CX7198-000 |
| RHW-160/50-1200/ADH-O | CX7200-000 |
| RHW-180/50-1200/ADH-O | CX7201-000 |
| RHW-24/6-1200/ADH-O | CX7202-000 |
| RHW-24/6-50/ADH-O | CX6686-000 |

| Material Description | Material Number |
|-----------------------|-----------------|
| RHW-28/6-153/ADH-O | CX7203-000 |
| RHW-34/8-1200/ADH-O | CX6254-000 |
| RHW-34/8-206/ADH-O | CX7204-000 |
| RHW-34/8-400/ADH/NM-O | CX6380-000 |
| RHW-48/12-1200/ADH-O | CX7205-000 |
| RHW-56/16-1200/ADH-O | CX6255-000 |
| RHW-70/20-1200/ADH-O | CX7206-000 |
| RHW-90/25-1200/ADH-O | CX7207-000 |

Note: Material numbers for larger sizes will be created as needed.

SAMPLE INVENTORY

| |
|-----------------------|
| RHW-12/3-1200/ADH-O |
| RHW-16/4-1200/ADH-O |
| RHW-24/6-1200/ADH-O |
| RHW-34/8-1200/ADH-O |
| RHW-48/12-1200/ADH-O |
| RHW-50/16-1200/ADH-O |
| RHW-70/20-1200/ADH-O |
| RHW-90/25-1200/ADH-O |
| RHW-110/30-1200/ADH-O |
| RHW-130/35-1200/ADH-O |

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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 |
| ELECTRICAL | | | |
| Dielectric Strength | V/mil (kV/cm) | 300 minimum (120) | ASTM D149 |
| Volume Resistivity | Ohm-cm | 1 X 10 ¹² minimum | ASTM D257 |
| CHEMICAL | | | |
| 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 & RHW ORDERING DESCRIPTION

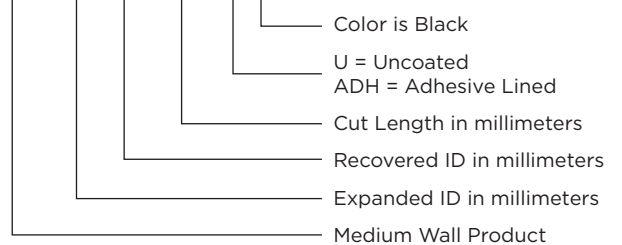
Example 1:

RHW-130/36-1200/ADH-0



Example 2:

RMW-160/50-1200/U-0



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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.