

Medium-Wall Heat Shrink Tubing



RAYCHEM | RAYCHEM MWTM

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Our Raychem MWTM Medium-Wall Heat Shrink Tubings are compliant to RoHS and REACH regulations and approved for offshore applications.



[Energy & Power >](#) [Power Cable Accessories >](#) [Power Cable Tubing & Accessories](#)

Our Raychem MWTM Medium-Wall Heat Shrink Tubing is designed for insulation on low voltage cable accessories, as well as for sealing and protection purposes on low and medium voltage cables and cable accessories.



Flammability Performance: **Non-Flame-Retardant**

Flexibility: **Semi-Rigid**

Our Raychem MWTM Medium-Wall Heat Shrink Tubing combines the electrical and physical properties of cable over sheath and core insulation of low voltage cables with ruggedness and easy installation.

This is widely used to insulate, protect and seal low voltage power cable joints and terminations, as well as many further applications in cable accessories and electrical connections. The Medium-Wall Heat Shrink Tubing is made of our Raychem heat shrink polymer that is halogen-free and stabilized against UV irradiation. During heating the medium-wall tubing shrinks to the original smaller diameter, fitting tightly over a wide range of cable sizes and cable accessories. At the same time, the tubing's inner sealant wall gives a reliable moisture seal over even the most irregular shapes. The Medium-Wall Heat Shrink Tubing is available with a hot-melt sealant, both uncoated or coated. This tubing is field-proven to have long-term reliability in harsh climatic conditions and in polluted environments, and has an unlimited shelf-life when stored under normal conditions.

Key Features

- High electrical characteristics and mechanical strength for low voltage applications
- Medium-wall, cross-linked polyolefin. UV stabilized against irradiation and weathering



- Halogen and silicon-free material content, noncorrosive, non-toxic, free of lead and aluminium
- Available inline coated with hot melt adhesive or uncoated
- Color black, 3:1 shrink ratio
- Unlimited shelf-life

Improving Grid Reliability

📺 Installing Heat Shrink Products

Discover the different steps to properly install TE's Raychem heat shrink technology into your power system.

Our Raychem Heat Shrink Tubing

Discover our Range of Raychem Heat Shrink Tubing for Power Systems

Features

Product Type Features

Coating Style	Inline
Installation Technology	Heat Shrink
Adhesive Coating	With, Without
Wall Style (Excluding Adhesive)	Single

Body Features

Primary Product Material	Crosslinked Polyolefin
Primary Product Color	Black
Flexibility	Semi-Rigid
Shrink Ratio	> 2.5:1, > 3:1



Dimensions

Compatible Cable Diameter (Max) (mm)	9, 14.5, 22.5, 27, 31.5, 45, 57, 68, 77, 86, 104, 126, 144, 162, 220, 255
Compatible Cable Diameter (Max) (in)	.354, .57, .885, 1.062, 1.24, 1.771, 2.244, 2.677, 3.031, 3.385, 4.094, 4.96, 5.669, 6.377, 8.661, 10.039
Compatible Cable Diameter (Min) (mm)	3.5, 5.5, 8.8, 9, 13, 18, 21, 24, 28, 32, 37, 46, 55, 66, 88, 149
Compatible Cable Diameter (Min) (in)	.137, .216, .346, .354, .511, .708, .826, .944, 1.102, 1.259, 1.456, 1.811, 2.165, 2.598, 3.464, 5.866
Expanded Inside Diameter (Min) (mm)	10, 16, 25, 30, 35, 50, 63, 75, 85, 95, 115, 140, 160, 180, 245, 285
Recovered Inside Diameter (Max) (mm)	3, 5, 8, 12, 16, 19, 22, 25, 29, 34, 42, 50, 60, 80, 135
Product Length (mm)	50, 60, 70, 75, 80, 100, 125, 130, 150, 200, 225, 230, 250, 300, 350, 400, 425, 450, 500, 525, 550, 600, 650, 700, 750, 800, 850, 900, 1000, 1200, 1300, 1400, 1500
Recovered Wall Thickness (Max) (mm)	1, 1.4, 2, 2.4, 2.7, 2.8, 3.1, 3.2
Wall Thickness	Medium

Usage Conditions

Environmental Resistance	Contaminated Water, Moisture, Rain, Salt Water, Weathering
Fluid Resistance Type	Hydrocarbons, Resistance to Liquid & Oil, Transformer Oil
Flammability Performance	Non-Flame-Retardant

Operation/Application

Thermal Resistance	Applicable for Low Temperatures, Applicable for Low Temperatures, Applicable for High Temperatures, Flame-Retardant
Marine-Offshore-Shipbuilding Certified	Yes
Mechanical Resistance	Against Mechanical Impact or Damage, High Elongation
UV-Stabilized	Yes

Industry Standards

Compatible With Approved Standards Products	HD631.2, IEC 60684-3-214, IEC 60684-3-246, IEC 60684-3-247
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Product Availability

Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa, Worldwide
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Packaging Features

Spool Length (m)	10, 15, 150, 200, 25, 30, 300, 350, 40, 400, 50, 60, 70
Spool Length (ft)	100, 75

Reference Number

TE Internal Number	CAT-MWTM
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SEE PRODUCTS ON NEXT PAGE

Products (1 of 5)



MWTM-85/25-1000/U(S5)

MWTM-95/29-1500/U(S5)

MWTM-10/3-1200-S(B25)

MWTM-85/25-1200-S-(B5)

TE Part #	917867-000	326745-000	306587-000	405531-000
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas
Adhesive Coating	Without	Without	With	With
Compatible Cable Diameter (Max)	77 mm	86 mm	9 mm	77 mm
Compatible Cable Diameter (Min)	28 mm	32 mm	3.5 mm	28 mm
Expanded Inside Diameter (Min)	85 mm	95 mm	10 mm	85 mm
Recovered Inside Diameter (Max)	25 mm	29 mm	3 mm	25 mm
Product Length	1000 mm	1500 mm	1200 mm	1200 mm
Recovered Wall Thickness (Max)	2.8 mm	3.1 mm	1 mm	2.8 mm
Shrink Ratio	> 3:1	> 3:1	> 3:1	> 3:1
Wall Style (Excluding Adhesive)	Single	Single	Single	Single
Wall Thickness	Medium	Medium	Medium	Medium
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM

***EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.

Products (2 of 5)



MWTM-95/29-1000/U(S5)

MWTM-16/5-1200-S-(B25)

MWTM-35/12-1200-S-(B25)

MWTM-50/16-1200-S-(B15)

TE Part #	355919-000	770361-000	024335-002	884389-000
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas	Americas	Americas
Adhesive Coating	Without	With	With	With
Compatible Cable Diameter (Max)	86 mm	14.5 mm	31.5 mm	45 mm
Compatible Cable Diameter (Min)	32 mm	5.5 mm	13 mm	18 mm
Expanded Inside Diameter (Min)	95 mm	16 mm	35 mm	50 mm
Recovered Inside Diameter (Max)	29 mm	5 mm	12 mm	16 mm
Product Length	1000 mm	1200 mm	1200 mm	1200 mm
Recovered Wall Thickness (Max)	3.1 mm	1.4 mm	2 mm	2 mm
Shrink Ratio	> 3:1	> 3:1	> 3:1	> 3:1
Wall Style (Excluding Adhesive)	Single	Single	Single	Single
Wall Thickness	Medium	Medium	Medium	Medium
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM

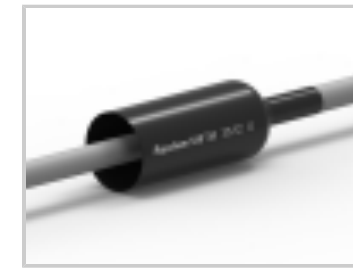
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Products (3 of 5)



MWTM-140/42-1500/S(S5)

MWTM-50/16-A/U(B75)

MWTM-35/12-A/U(B100)

MWTM-180/60-1000/S(S5)

TE Part #	352310-000	562513-000	771271-000	122998-000
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas	Americas	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa
Adhesive Coating	With	Without	Without	With
Compatible Cable Diameter (Max)	126 mm	45 mm	31.5 mm	162 mm
Compatible Cable Diameter (Min)	46 mm	18 mm	13 mm	66 mm
Expanded Inside Diameter (Min)	140 mm	50 mm	35 mm	180 mm
Recovered Inside Diameter (Max)	42 mm	16 mm	12 mm	60 mm
Product Length	1500 mm			1000 mm
Recovered Wall Thickness (Max)	3.1 mm	2 mm	2 mm	3.2 mm
Shrink Ratio	> 3:1	> 3:1	> 3:1	> 3:1
Wall Style (Excluding Adhesive)	Single	Single	Single	Single
Wall Thickness	Medium	Medium	Medium	Medium
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM

***EU RoHS Directive 2011/65/EU**

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****EU ELV Directive 2000/53/EC**

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Products (4 of 5)



MWTM-85/25-1500/S(S5)

MWTM-25/8-1200-S(B25)

MWTM-50/16-1500/S(S10)

MWTM-115/34-1500/S(S5)

TE Part #	115518-000	343233-002	195494-000	746340-000
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa
Adhesive Coating	With	With	With	With
Compatible Cable Diameter (Max)	77 mm	22.5 mm	45 mm	104 mm
Compatible Cable Diameter (Min)	28 mm	9 mm	18 mm	37 mm
Expanded Inside Diameter (Min)	85 mm	25 mm	50 mm	115 mm
Recovered Inside Diameter (Max)	25 mm	8 mm	16 mm	34 mm
Product Length	1500 mm	1200 mm	1500 mm	1500 mm
Recovered Wall Thickness (Max)	2.8 mm	2 mm	2 mm	3.1 mm
Shrink Ratio	> 3:1	> 3:1	> 3:1	> 3:1
Wall Style (Excluding Adhesive)	Single	Single	Single	Single
Wall Thickness	Medium	Medium	Medium	Medium
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM

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Products (5 of 5)



MWTM-115/34-1200/S(S5)

MWTM-25/8-1500/U(S10)

MWTM-63/19-1000/S(S10)

MWTM-75/22-1000/S(S5)

TE Part #	309164-000	169727-000	454344-000	385152-000
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, Europe, Middle East & Africa
Adhesive Coating	With	Without	With	With
Compatible Cable Diameter (Max)	104 mm	22.5 mm	57 mm	68 mm
Compatible Cable Diameter (Min)	37 mm	9 mm	21 mm	24 mm
Expanded Inside Diameter (Min)	115 mm	25 mm	63 mm	75 mm
Recovered Inside Diameter (Max)	34 mm	8 mm	19 mm	22 mm
Product Length	1200 mm	1500 mm	1000 mm	1000 mm
Recovered Wall Thickness (Max)	3.1 mm	2 mm	2.4 mm	2.7 mm
Shrink Ratio	> 3:1	> 3:1	> 3:1	> 3:1
Wall Style (Excluding Adhesive)	Single	Single	Single	Single
Wall Thickness	Medium	Medium	Medium	Medium
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM	RAYCHEM MWTM

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Related Materials

Data Sheet

[HEAT SHRINK TUBING MWTM IEEE](#)

English

Data Sheet

[HEAT SHRINK TUBING MWTM IEC](#)

English

Also in the Series | [RAYCHEM MWTM](#)



Power Cable Tubing & Accessories
(300)



Rectangular Connector Housings(1)