Excellent Integrated System Limited

Stocking Distributor

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3M MDT-0400-48

For any questions, you can email us directly: sales@integrated-circuit.com

Distributor of 3M: Excellent Integrated System Limited

Datasheet of MDT-0400-48 - HEATSHRINK CABLE SLEEVES 48" BLA

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

3M

MDT Tubing

Medium-Duty, Polyolefin

Data Sheet

Product Description

3M™ MDT Tubing offers increased flexibility in combination with excellent abrasion, corrosion and environmental resistance properties and meets MIL-DTL-23053/15, Class 2.

Uncoated product (without sealant) is available on special order. 3M MDT medium-duty tubing is designed to provide reliable performance as well as excellent mechanical and environmental protection. These flame-retardant products combine the important advantages of easy handling and installation with maximum operating reliability and system protection.

MDT comes with a factory-applied sealant. This sealant is a heat-activated thermoplastic material that remains soft and flexible over long periods under adverse environmental conditions. During heating the sealant softens, bonds to underlying surfaces and fills small voids that might be present. When cool, the sealant forms a barrier against water, moisture, dirt and other environmental contaminants.

Typical Applications

MDT Tubing installs easily and has shrink ratios to accommodate effective insulating and sealing over large transitions, splices and battery cables.

Standard Colors

All sizes available in black. MDT-0400, -0800 and -1100 are also available in red.

Standard Packaging

Four-foot lengths. Other lengths are available subject to special quotation.

Ordering Information

Order MDTTubing by product name, size equivalent to the expanded inside diameter, package type and color. Always order the largest size that will shink snugly over the component to be covered.

Example: MDT-1100-48A, 4 ft., black.

Standard Sizes and Dimensions (without adhesive)

Part Number	Cable Range		nded I.D. imum) (mm)		ered I.D. imum) (mm)	Wall T	red Outer hickness ninal) (mm)	Length in.	Std. Pkg. Pieces/ Carton	Color
MDT-0400-48A	#12 - #6 AWG	.40	(10,2)	.15	(3,8)	.09	(2,3)	48	20	Red and Black
MDT-0800-48A	#8 - #3 AWG	.80	(20,3)	.22	(5,6)	.10	(2,5)	48	20	Red and Black
MDT-1100-48A	#2 - 2/0 AWG	1.10	(27,9)	.37	(9,4)	.10	(2,5)	48	20	Red and Black
MDT-1300-48A	#1 - 4/0 AWG	1.30	(33,0)	.43	(10,9)	.10	(2,5)	48	15	Black Only
MDT-1500-48A	1/0 - 250 MCM	1.50	(38,1)	.50	(12,7)	.10	(2,5)	48	20	Black Only
MDT-1700-48A	4/0 - 400 MCM	1.70	(43,2)	.60	(15,2)	.10	(2,5)	48	20	Black Only
MDT-2000-48A	300 - 500 MCM	2.00	(50,8)	.75	(19,1)	.10	(2,5)	48	15	Black Only
MDT-3000-48A	600 - 1250 MCM	3.00	(76,2)	1.00	(25,4)	.12	(3,0)	48	15	Black Only
MDT-4300-48A	1000 - 2500 MCM	4.30 ((109,2)	1.50	(38,1)	.15	(3,8)	48	10	Black Only

Typical Properties

Applicable Specification – MIL-DTL-23053/15, Class 2; ABS											
Physical Tensile Strength Ultimate Elongation	2400 PSI 475%	*Low Temperature Flexibi (4 hrs. @ -55°C) Flammability	lity No cracking Self-extinguish	Chemical Corrosive Effect Solvent Resistance	Non-corrosive						
Longitudinal Change Secant Modulus Specific Gravity *Heat Aging	+1, -10% 14,000 PSI 1.28 7 days @ 175°C Elongation 225%	Electrical Dielectric Strength Volume Resistivity	500 V/mil (60 mils) 10 ¹⁴ ohm-cm	Tensile Strength Dielectric Strength Water Absorption Fungus Resistance	1500 PSI 200 V/mil 0.2% Non-nutrient						
*Heat Shock (4 hrs. @ 225°C)	11 07 Tournal montation provided contains product data and chould not be declared										

^{*} Outer wall only.



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Limited Warranty – 3M expressly warrants that for a period of ninety days from the date of purchase, 3M static control products will be free of defects in materials (parts) and workmanship (labor). Defects occurring during the warranty period will be repaired or products will be replaced at 3M's option and expense, if 3M receives notice during the warranty period. Defective products must be returned to 3M with proof of purchase date.

Warranty Exclusions – THE FOREGOING EXPRESS WARRANTYIS MADE IN LIEU OF ALLOTHER PRODUCT WARRANTIES, EXPRESS AND IMPLIED, INCLUDING FITNESS AND MERCHANTIBILITY. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean, or repair products.

Limit of Liability – In no event will 3M or Seller be responsible or liable for special, incidental, or consequential losses or damages, whether based in tort or contract. Fulfillment of 3M's warranty obligations will be Customer's exclusive remedy and 3M's and Seller's limit of liability for any breach of warranty or otherwise.

For your nearest distributor or to order, call 1-800-328-1368

3M Electrical Specialties Division

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