

3M™ Heat Shrink Tubing HDT

Heavy-Duty, Polyolefin

Data Sheet

November 2018

Description

3M™ Heat Shrink Tubing HDT is designed to provide reliable performance as well as excellent mechanical and environmental protection. This flame-retardant product combines the important advantage of easy handling and installation with maximum operating reliability and system protection. The tubing 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. Heavy-duty tubing is fabricated from specially formulated cross-linked polyolefin, assuring long-term environmental protection. The tubing is also highly chemical, abrasive and split resistant.

The tubing is rated for continuous operation at -55°C (-67°F) to 110°C (230°F). Minimum shrink temperature is 121°C (250°F). Uncoated product (without sealant) is available on special order.

Agency Approvals & Self Certifications

Meets the requirements of: AS23053/15, Class 1*

For RoHS and REACH information, please visit www.3M.com/regs

*Formerly MIL-I-23053/15, MIL-DTL-23053/15 and SAE-AMS-DTL-23053/15

Standard Sizes and Dimensions (without adhesive)

3M Part Number	Cable Range	Expanded I.D. (Minimum) in. (mm)	Recovered I.D. (Minimum) in. (mm)	Recovered Outer Wall Thickness (Nominal) in. (mm)	Length in.	Std. Pkg. Pieces/ Carton	Color
HDT-0300-48A	#14 - #8 AWG	.30 (7,62)	.10 (2,5)	.08 (2,0)	48	20	Red and Black
HDT-0400-48A	#12 - #6 AWG	.40 (10,2)	.15 (3,8)	.09 (2,3)	48	20	Red and Black
HDT-0800-48A	#8 - 1/0 AWG	.80 (20,3)	.20 (5,1)	.11 (2,8)	48	20	Red and Black
HDT-1100-48A	#2 - 4/0 AWG	1.10 (27,9)	.37 (9,4)	.12 (3,0)	48	20	Red and Black
HDT-1500-48A	3/0 - 400 MCM	1.50 (38,1)	.50 (12,7)	.17 (4,3)	48	20	Black Only
HDT-2000-48A	250 - 750 MCM	2.00 (50,8)	.65 (16,5)	.17 (4,3)	48	10	Black Only
HDT-3000-48A	600 - 1250 MCM	3.00 (76,2)	1.00 (25,4)	.17 (4,3)	48	10	Black Only
HDT-4500-48A	1500 - 2500 MCM	4.50 (114,3)	1.50 (38,1)	.17 (4,3)	48	5	Black Only
HDT-6000-48A	2.1" - 4.8" O.D.	6.00 (152,4)	1.80 (45,7)	.17 (4,3)	48	5	Black Only
HDT-7000-48A	2.5" - 5.6" O.D.	7.00 (177,8)	2.00 (50,8)	.17 (4,3)	48	5	Black Only