



jaguar industries inc

• WIRE • CABLE • TUBING

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SHRINK TUBING J-MDT MIL-I-23053/15

DESCRIPTION: JAGUAR J-MDT TUBING IS AN ELECTRICAL GRADE FLEXIBLE POLYOLEFIN OVER A THIN LAYER OF THERMOPLASTIC ADHESIVE. IT IS RATED FOR CONTINUOUS OPERATION AT -55°C TO 110°C. WHEN HEATED, THE ADHESIVE SEALANT MELTS AND IS FORCED INTO CONTACT WITH THE COVERED PRODUCT AS THE OUTER TUBE SHRINKS. WHEN COOL, THE SEALANT FORMS A FLEXIBLE BARRIER AGAINST ENVIRONMENTAL CONTAMINANTS. TYPICAL APPLICATIONS INCLUDE SEALING OF SPLICES AND LARGE TRANSITIONS. THE OUTER JACKET IS FLAME RETARDANT. MINIMUM SHRINK TEMPERATURE IS 121°C.

SPECIFICATION: MIL-I-23053/15, CLASS 2.

MATERIAL: ADHESIVE LINED POLYOLEFIN, SHRINK RATIO 3:1.

TEMPERATURE RATING: -55°C TO 110°C.

STANDARD COLORS: BLACK; J-MDT-0400A, J-MDT-0800A & J-MDT-1100A ARE ALSO AVAILABLE IN RED.

PACKAGING: 4 FOOT LENGTHS. *

ORDERING INFORMATION: SPECIFY JAGUAR CATALOG NO. AND COLOR.

CATALOG NO. 4 FT. LENGTHS	APPROXIMATE CABLE SIZE RANGE	EXPANDED I.D. (MINIMUM)		RECOVERED I.D. (MAXIMUM)		RECOVERED OUTER WALL (NOMINAL)	
		in.	(mm)	in.	(mm)	in.	(mm)
J-MDT-0400A	#12-#6 AWG	.40	(10,2)	.15	(3,8)	.09	(2,3)
J-MDT-0800A	#8-#3 AWG	.80	(20,3)	.22	(5,6)	.10	(2,5)
J-MDT-1100A	#2-2/0 AWG	1.10	(27,9)	.37	(9,4)	.10	(2,5)
J-MDT-1300A	#1-4/0 AWG	1.30	(33,0)	.43	(10,9)	.10	(2,5)
J-MDT-1500A	1/0-250 MCM	1.50	(38,1)	.50	(12,7)	.10	(2,5)
J-MDT-1700A	4/0-400 MCM	1.70	(43,2)	.60	(15,2)	.10	(2,5)
J-MDT-2000A	300-500 MCM	2.00	(50,8)	.75	(19,1)	.10	(2,5)
J-MDT-3000A	600-1250 MCM	3.00	(76,2)	1.00	(25,4)	.12	(3,0)
J-MDT-4300A	1000-2500 MCM	4.30	(109,2)	1.50	(38,1)	.15	(3,8)

*ALSO AVAILABLE AS CUT PIECES, CONSULT FACTORY.

TYPICAL PROPERTIES

PHYSICAL

TENSILE STRENGTH 2400 PSI
ULTIMATE ELONGATION 475%
LONGITUDINAL CHANGE +1,-10%
SECANT MODULUS 14,000 PSI
SPECIFIC GRAVITY 1.28
HEAT AGING ELONGATION
(7 DAYS @ 175°C) 225%

HEAT SHOCK (4 HRS. @ 225°C) NO DRIPPING, CRACKING OR FLOWING
LOW TEMPERATURE FLEXIBILITY (4 HRS @ -55°C) NO CRACKING
FLAMMABILITY SELF EXTINGUISH

ELECTRICAL

DIELECTRIC STRENGTH 500 V/MIL
VOLUME RESISTIVITY 10¹⁴ OHM-CM

CHEMICAL

CORROSIVE EFFECT NON-CORROSIVE
SOLVENT RESISTANCE
TENSILE STRENGTH 1500 PSI
DIELECTRIC STRENGTH 200 V/MIL
WATER ABSORPTION 0.2%
FUNGUS RESISTANCE NON-NUTRIENT

¹ OUTER WALL ONLY.

PROPERTIES INFORMATION IS TYPICAL DATA ONLY AND SHOULD NOT BE USED FOR SPECIFICATION REQUIREMENTS.