



jaguar industries inc

• WIRE • CABLE • TUBING

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SHRINK TUBING J-HDT

MIL-I-23053/15

DESCRIPTION: JAGUAR J-HDT 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 1.

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

TEMPERATURE RATING: -55°C TO 110°C.

STANDARD COLORS: BLACK; J-HDT-0400A, J-HDT-0800A & J-HDT-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-HDT-0300A	#14-#8 AWG	.30	(7,62)	.10	(2,5)	.08	(2,0)
J-HDT-0400A	#12-#6 AWG	.40	(10,2)	.15	(3,8)	.09	(2,3)
J-HDT-0800A	#8-1/0 AWG	.80	(20,3)	.20	(5,1)	.11	(2,8)
J-HDT-1100A	#2-4/0 AWG	1.10	(27,9)	.37	(9,4)	.12	(3,0)
J-HDT-1500A	3/0-400 MCM	1.50	(38,1)	.50	(12,7)	.17	(4,3)
J-HDT-2000A	250-750 MCM	2.00	(50,8)	.65	(16,5)	.17	(4,3)
J-HDT-3000A	600-1250 MCM	3.00	(76,2)	1.00	(25,4)	.17	(4,3)
J-HDT-4500A	1000-2500 MCM	4.50	(114,3)	1.50	(38,1)	.17	(4,3)
J-HDT-6000A	2.1"-4.8"O.D.	6.00	(152,4)	1.80	(45,7)	.17	(4,3)
J-HDT-7000A	2.5"-5.6"O.D.	7.00	(177,8)	2.00	(50,8)	.17	(4,3)

*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 10¹⁴OHM-CM

CHEMICAL

CORROSIVE EFFECT NON-CORROSIVE
SOLVENT RESISTANCE
TENSILE STRENGTH 1500 PSI
DIELECTRIC STRENGTH 200 V/MIL
WATER ABSORPTION 0.02%
FUNGUS RESISTANCE NON-NUTRIENT

¹ OUTER WALL ONLY.

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