



jaguar industries inc

• WIRE • CABLE • TUBING

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SHRINK TUBING JT-125 MIL-I-23053/4

DESCRIPTION: JAGUAR JT-125 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 ABOVE 121°C, THE ADHESIVE MELTS AND IS FORCED INTO CONTACT WITH THE COVERED PRODUCT AS THE OUTER TUBE SHRINKS. WHEN THE JT-125 TUBING COOLS, THE ADHESIVE SOLIDIFIES AND FORMS A FLEXIBLE WATERPROOF BARRIER. TYPICAL APPLICATIONS INCLUDE COVERING OF MARINE AND WIRE SPLICES AND PROTECTION OF COMPONENTS. BLACK IS FLAME-RETARDANT.

SPECIFICATION: MIL-I-23053/4, CLASS 2 (BLACK ONLY).

MATERIAL: ADHESIVE-LINED POLYOLEFIN, SHRINK RATIO 2:1.

TEMPERATURE RATING: -55°C TO 110°C.

STANDARD COLORS: BLACK AND CLEAR. OTHER COLORS AVAILABLE ON SPECIAL ORDER SUBJECT TO MINIMUM QUANTITIES.

PACKAGING: 4 FOOT LENGTHS.*

ORDERING INFORMATION: SPECIFY JAGUAR CATALOG NO. AND COLOR.

CATALOG NO. 4 FT LENGTHS	ORDER SIZE in.	EXPANDED I.D.		RECOVERED I.D.		TOTAL RECOVERED WALL THICKNESS (NOMINAL)		MELTABLE RECOVERED WALL THICKNESS (NOMINAL)	
		MINIMUM in.	(mm)	MAXIMUM in.	(mm)	in.	(mm)	in.	(mm)
JT-125 LU 1/8	1/8	.125	(3,18)	.063	(1,60)	.027	(0,68)	.004	(0,10)
JT-125 LU 3/16	3/16	.187	(4,75)	.093	(2,36)	.027	(0,68)	.004	(0,10)
JT-125 LU 1/4	1/4	.250	(6,35)	.125	(3,18)	.030	(0,76)	.005	(0,13)
JT-125 LU 3/8	3/8	.375	(9,53)	.187	(4,75)	.031	(0,79)	.005	(0,13)
JT-125 LU 1/2	1/2	.500	(12,70)	.250	(6,35)	.032	(0,81)	.006	(0,15)
JT-125 LU 3/4	3/4	.750	(19,05)	.375	(9,53)	.037	(0,94)	.006	(0,15)
JT-125 LU 1	1	1.000	(25,40)	.500	(12,70)	.046	(1,17)	.008	(0,20)
JT-125 LU 1-1/2	1-1/2	1.500	(38,10)	.750	(19,05)	.049	(1,24)	.008	(0,20)
JT-125-LU 2	2	2.000	(50,80)	1.000	(25,40)	.060	(1,52)	.015	(0,38)

* ALSO AVAILABLE AS CUT PIECES, CONSULT FACTORY.

TYPICAL PROPERTIES

PHYSICAL

TENSILE STRENGTH 2100 PSI
 ULTIMATE ELONGATION 450%
 LONGITUDINAL CHANGE +1,-5%
 SECANT MODULUS (2%) 17,000 PSI
 SPECIFIC GRAVITY 1.3

† HEAT AGING ELONGATION
 (168 HRS. @ 175°C) 175%

† HEAT SHOCK NO DRIPPING,
 (4 HRS. @ 225°C) FLOWING
 OR CRACKING

† LOW TEMPERATURE FLEXIBILITY

(4 HRS. @ -55°C) NO CRACKING
 FLAMMABILITY SELF EXTINGUISH
 MEETS UL 224
 ALL-TUBING
 FLAME TEST(JACKET)

ELECTRICAL

DIELECTRIC STRENGTH 800 V/MIL
 VOLUME RESISTIVITY 10¹⁴ OHM-CM

CHEMICAL

CORROSIVE EFFECT NON-CORROSIVE
 FUNGUS RESISTANCE NON-NUTRIENT
 WATER ABSORPTION 0.3%
 FLUID RESISTANCE EXCELLENT

ADHESIVE

PEEL STRENGTH, PLI
 POLYETHYLENE 30
 PVC 10
 LEAD 15
 ALUMINUM 40

† OUTER WALL ONLY.

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