



# jaguar industries inc

• WIRE • CABLE • TUBING

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## SHRINK TUBING J-650 (VITON®) MIL-I-23053/13

**DESCRIPTION:** JAGUAR J-650 SHRINK TUBING IS AN ELECTRICAL GRADE MODIFIED FLUOROLASTOMER PRODUCT RATED FOR -55°C TO 200°C CONTINUOUS OPERATION. JAGUAR J-650 IS VERY ABRASION RESISTANT, FLEXIBLE AND RESISTANT TO MOST FUELS, ACIDS AND ALKALIS. IT IS TYPICALLY USED AS A WIRING AND COMPONENT COVER IN AIRCRAFT AND AEROSPACE APPLICATIONS AND CHEMICAL PLANTS.

**SPECIFICATIONS:** MIL-I-23053/13; MIL-R-46846, TYPE III, CLASS 1.

**MATERIAL:** MODIFIED FLUOROLASTOMER (VITON®), 2:1 SHRINK RATIO.

**TEMPERATURE RATING:** -55°C TO 200°C.

**PACKAGING:** REELS.\*

**STANDARD COLOR:** BLACK.

**ORDERING INFORMATION:** SPECIFY JAGUAR CATALOG NO.

CATALOG NO. REELS	ORDER SIZE	EXPANDED I.D. (MINIMUM)		RECOVERED I.D. (MAXIMUM)		RECOVERED WALL (NOMINAL)	
	in.	in.	(mm)	in.	(mm)	in.	(mm)
J-650 RU 1/8	1/8	.125	(3,18)	.062	(1,57)	.030	(0,76)
J-650 RU 3/16	3/16	.187	(4,75)	.093	(2,36)	.035	(0,89)
J-650 RU 1/4	1/4	.250	(6,35)	.125	(3,18)	.035	(0,89)
J-650 RU 3/8	3/8	.375	(9,53)	.187	(4,75)	.035	(0,89)
J-650 RU 1/2	1/2	.500	(12,70)	.250	(6,35)	.035	(0,89)
J-650 RU 5/8	5/8	.625	(15,88)	.312	(7,92)	.042	(1,07)
J-650 RU 3/4	3/4	.750	(19,05)	.375	(9,53)	.042	(1,07)
J-650 RU 7/8	7/8	.875	(22,23)	.438	(11,13)	.049	(1,24)
J-650 RU 1	1	1.000	(25,40)	.500	(12,70)	.049	(1,24)
J-650 RU 1 1/4	1 1/4	1.250	(31,75)	.625	(15,88)	.055	(1,40)
J-650 RU 1 1/2	1 1/2	1.500	(38,10)	.750	(19,05)	.055	(1,40)
J-650 RU 2	2	2.000	(50,80)	1.000	(25,40)	.065	(1,65)

\* ALSO AVAILABLE AS CUT PIECES, CONSULT FACTORY.

## TYPICAL PROPERTIES

### PHYSICAL

TENSILE STRENGTH	2400 PSI
ULTIMATE ELONGATION	450%
LONGITUDINAL CHANGE	+1,-10%
SPECIFIC GRAVITY	1.7
LOW TEMPERATURE FLEXIBILITY (4 HRS @ -55°C)	NO CRACKING

FLAMMABILITY SELF EXTINGUISH

### ELECTRICAL

DIELECTRIC STRENGTH	500 V/MIL
VOLUME RESISTIVITY	10 <sup>12</sup> OHM-CM

### CHEMICAL

CORROSIVE EFFECT NON-CORROSIVE

FUEL & OIL RESISTANCE	EXCELLENT
SOLVENT RESISTANCE	EXCELLENT
ABRASION RESISTANCE	EXCELLENT
ACID RESISTANCE	EXCELLENT
ALKALI RESISTANCE	EXCELLENT

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