



jaguar industries inc

• WIRE • CABLE • TUBING

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SHRINK TUBING JAV-221 MIL-R-46846

DESCRIPTION: JAGUAR JAV-221 SHRINK TUBING IS AN ELECTRICAL GRADE POLYOLEFIN PRODUCT RATED FOR -55°C TO 135°C CONTINUOUS OPERATION AND CAN STAND ELEVATED TEMPERATURES OF 300°C FOR SHORT PERIODS. THIS IS THE MOST FLEXIBLE HEAT SHRINKABLE POLYOLEFIN TUBING THAT WE HAVE AVAILABLE, MAKING IT IDEAL FOR JACKETING OF WIRE BUNDLES.

SPECIFICATIONS: MIL-R-46846, TYPE V; AMS-3587; UL; CSA.

MATERIAL: POLYOLEFIN, SHRINK RATIO 2:1.

TEMPERATURE RATING: -55°C TO 135°C.

STANDARD COLORS: (FLAME RETARDANT) BLACK, WHITE, YELLOW. OTHER COLORS AND CLEAR (NON-FLAME RETARDANT) AVAILABLE SUBJECT TO MINIMUM QUANTITIES.

PACKAGING: 4 FOOT LENGTHS AND REELS.*

ORDERING INFORMATION: SPECIFY JAGUAR CATALOG NO., PACKAGING AND COLOR.

CATALOG NO. 4 FT LENGTHS	CATALOG NO. REELS	ORDER SIZE in.	EXPANDED I.D. (MINIMUM) in.	RECOVERED I.D. (MAXIMUM) (mm)	RECOVERED I.D. (MAXIMUM) in.	RECOVERED I.D. (MAXIMUM) (mm)	RECOVERED WALL (NOMINAL) in.	RECOVERED WALL (NOMINAL) (mm)
JAV-221 LU 3/64	JAV-221 RU 3/64	3/64	.046	(1,17)	.023	(0,58)	.016	(0,41)
JAV-221 LU 1/16	JAV-221 RU 1/16	1/16	.063	(1,60)	.031	(0,79)	.017	(0,43)
JAV-221 LU 3/32	JAV-221 RU 3/32	3/32	.093	(2,36)	.046	(1,17)	.020	(0,51)
JAV-221 LU 1/8	JAV-221 RU 1/8	1/8	.125	(3,18)	.062	(1,57)	.020	(0,51)
JAV-221 LU 3/16	JAV-221 RU 3/16	3/16	.187	(4,75)	.093	(2,36)	.020	(0,51)
JAV-221 LU 1/4	JAV-221 RU 1/4	1/4	.250	(6,35)	.125	(3,18)	.025	(0,64)
JAV-221 LU 3/8	JAV-221 RU 3/8	3/8	.375	(9,53)	.187	(4,75)	.025	(0,64)
JAV-221 LU 1/2	JAV-221 RU 1/2	1/2	.500	(12,70)	.250	(6,35)	.025	(0,64)
JAV-221 LU 3/4	JAV-221 RU 3/4	3/4	.750	(19,05)	.375	(9,53)	.030	(0,76)
JAV-221 LU 1	JAV-221 RU 1	1	1.000	(25,40)	.500	(12,70)	.035	(0,89)
JAV-221 LU 1 1/2	JAV-221 RU 1 1/2	1 1/2	1.500	(38,10)	.750	(19,05)	.040	(1,02)
JAV-221 LU 2	JAV-221 RU 2	2	2.000	(50,80)	1.000	(25,40)	.045	(1,14)
JAV-221 LU 3	JAV-221 RU 3	3	3.000	(76,20)	1.500	(38,10)	.050	(1,27)
JAV-221 LU 4	JAV-221 RU 4	4	4.000	(101,6)	2.000	(50,80)	.055	(1,40)

* ALSO AVAILABLE AS CUT PIECES, CONSULT FACTORY.

TYPICAL PROPERTIES

PHYSICAL

TENSILE STRENGTH 2100 PSI
 ULTIMATE ELONGATION 450%
 LONGITUDINAL CHANGE ± 5%
 SECANT MODULUS (2%) 0.73x10⁴ PSI
 SPECIFIC GRAVITY 1.3
 HEAT AGING ELONGATION
 (168 HRS. @ 175° C) 175%

HEAT SHOCK NO DRIPPING
 (4 HRS. @ 250°C) OR CRACKING
 PASSES MANDREL WRAP TEST
 LOW TEMPERATURE FLEXIBILITY
 (4 HRS @ -55° C) NO CRACKING
 FLAMMABILITY SELF EXTINGUISH
 MEETS UL224 ALL-TUBING
 FLAME TEST

ELECTRICAL

DIELECTRIC STRENGTH 800 V/MIL

VOLUME RESISTIVITY 10¹⁴ OHM-CM

CHEMICAL

CORROSIVE EFFECT NON-CORROSIVE
 SOLVENT RESISTANCE
 TENSILE STRENGTH 750 PSI
 DIELECTRIC STRENGTH 400 V/MIL
 WATER ABSORPTION 0.2%
 FUNGUS RESISTANCE NON-NUTRIENT

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