

SV500

**FLEXIBLE POLYOLEFIN
2:1 SHRINK RATIO
AMS-DTL-23053/5, CLASS 1
UL 224 600V, VW-1**

CSA 198, 600V

PART NO.	MINIMUM INSIDE DIA. AS SUPPLIED		MAXIMUM INSIDE DIA. AFTER RECOVERY		NOM. WALL THICKNESS AFTER RECOVERY		ORDERING LENGTH OPTIONS							
	INCH	MM	INCH	MM	INCH	MM	4 feet	25 feet	50 feet	100 feet	200 feet	250 feet	500 feet	1000 feet
SV500-3/64-XX*	0.046	1.2	0.023	0.6	0.016	0.40	x	x				x		x
SV500-1/16-XX	0.063	1.6	0.031	0.8	0.017	0.43	x	x				x		x
SV500-3/32-XX	0.093	2.4	0.046	1.2	0.020	0.51	x			x			x	
SV500-1/8-XX	0.125	3.2	0.062	1.6	0.020	0.51	x			x			x	
SV500-3/16-XX	0.187	4.8	0.093	2.4	0.020	0.51	x		x		x			
SV500-1/4-XX	0.250	6.4	0.125	3.2	0.025	0.64	x		x		x			
SV500-3/8-XX	0.375	9.5	0.187	4.8	0.025	0.64	x		x		x			
SV500-1/2-XX	0.500	12.7	0.250	6.4	0.025	0.64	x		x		x			
SV500-5/8-XX*	0.625	15.9	0.313	7.9	0.027	0.69	x		x		x			
SV500-3/4-XX	0.750	19.1	0.375	9.5	0.030	0.76	x		x		x			
SV500-1-XX	1.000	25.4	0.500	12.7	0.035	0.89	x		x		x			
SV500-1.25-XX*	1.250	31.8	0.625	15.9	0.038	0.97	x		x		x			
SV500-1.5-XX*	1.500	38.1	0.750	19.1	0.040	1.02	x		x		x			
SV500-2-XX*	2.000	50.8	1.000	25.4	0.045	1.14	x		x		x			
SV500-3-XX*	3.000	76.2	1.500	38.1	0.050	1.27	x		x		x			
SV500-4-XX*	4.000	101.6	2.000	50.8	0.055	1.40	x	x		x				

*THIS SIZE ONLY AVAILABLE IN BLACK OR WHITE

PART NUMBER BREAK-OUT (EXAMPLE)					
PRODUCT TYPE	-	SIZE	-	COLOR	PUT-UP SIZE (TABLE 2)
SV500	-	1/2	-	2	G

TABLE 1 COLOR CODE	
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
54	GREEN/YELLOW
6	BLUE
7	VIOLET
8	GRAY
9	WHITE

TABLE 2 PUT-UP SIZES	
A	4 feet
B	25 feet
D	50 feet
E	100 feet
G	200 feet
H	250 feet
J	500 feet
K	1000 feet

REV	DATE	BY	NOTES	THIS DRAWING IS THE PROPERTY OF SILVER STATE WIRE & CABLE AND SHALL NOT BE REPRODUCED, COPIED, OR USED AS THE BASES FOR THE MANUFACTURE OR SALE OF THIS DESIGN WITH OUT THE WRITTEN PERMISSION OF SILVER STATE WIRE & CABLE
				APPROVED BY: J. LEE
				DRAWN BY: R. LANE
				DRAWING NO: SV500



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MINIMUM SHRINK TEMPERATURE:	95°C (203°F)	
SHRINK RATIO:	Approximately 2:1	
OPERATING TEMPERATURE:	-55°C TO 135°C (- 67°F to 275°F)	
FULL RECOVERY TEMPERATURE:	121°C (250°F)	
TENSILE STRENGTH:	1,500 psi (Minimum)	ASTM D638
ELONGATION:	200% (Minimum)	ASTM D638
LOW TEMPERATURE FLEX (-55°C):	No Cracking	AMS-DTL-23053
HEAT SHOCK (250°C, 4HRS.)	No Cracking	AMS-DTL-23053
SECANT MODULOUS:	2.5x10 ⁴ psi (Minimum)	ASTM D882
LONGITUDINAL CHANGE:	+/- 5%	AMS-DTL-23053
SPECIFIC GRAVITY:	1.35 (Maximum)	ASTM D792
SHELF LIFE:	5 years @ 18°C to 35°C	
ELECTRICAL PROPERTIES		
DIELECTRIC STRENGTH:	500 Volts/mil (Minimum)	ASTM D876
VOLUME RESISTIVITY:	1x10 ¹⁴ ohm-cm, Min	ASTM D876
CHEMICAL PROPERTIES		
WATER ABSORPTION:	0.50%, Max	ASTM D570
CORROSION (175°C, 16 hrs.)	No corrosion	AMS-DTL-23053
FLUID RESISTANCE (23°C, 24 hrs.):	1000 psi (Minimum)	AMS-DTL-23053
FLAMMABILITY:	Pass	UL 224 VW-1
FUNGUS RESISTANCE:	Yes	AMS-DTL-23053
LEAD FREE:	Yes	
HALOGEN FREE:	No	

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