

DUAL WALL AUTOMOTIVE SPLICE TUBING, FLAME RETARDED POLYOLEFIN 4 : 1 Shrink Ratio



RoHS Compliant

TYPICAL FEATURES	
<p>1) SUMITUBE SA2F is a dual wall, adhesive lined tubing. Upon application of heat, the adhesive liner melts and flows, encapsulating and sealing components contained within.</p> <p>2) Both the outer jacket <i>and</i> adhesive liner of SUMITUBE SA2F are highly flame retarded. Most other dual wall products do not share this feature.</p> <p>3) The 4:1 shrink ratio allows a few sizes to cover a wide range of component and splice diameters.</p>	<p>3) Sumitube SA2F has a low shrink temperature of 120° C, shortening installation time and protecting heat-sensitive substrates.</p> <p>4) Operating temperature range is -40° C to + 135° C.</p> <p>5) SUMITUBE SA2F is recommended for automotive applications requiring environmental sealing, fluid and temperature resistance and outstanding electrical properties.</p>

STANDARD SIZES									
SIZE	INSIDE DIAMETER AS SUPPLIED (MIN.)		INSIDE DIAMETER AFTER RECOVERY (MAX.)		TOTAL WALL THICKNESS AFTER RECOVERY (MIN.)		ADHESIVE THICKNESS (NOM.)		
	INCH	(MM)	INCH	(MM)	INCH	(MM)	INCH	(MM)	
1	0.228	5.80	0.050	1.26	0.047	1.20	0.022	0.56	
2	0.295	7.50	0.065	1.64	0.060	1.52	0.030	0.76	
3	0.429	10.9	0.094	2.40	0.075	1.91	0.040	1.02	
4	0.701	17.8	0.175	4.45	0.095	2.41	0.054	1.37	
<p>Standard Color: Black</p> <p>Standard Package: Cut pieces or coil</p> <p>How to Order: (Type of material) (Size) (Color) (Cut length)</p> <p>Example: SA2F #2 Black 50 mm</p>									

SA2F SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENTS
Material: Tensile strength (psi) Elongation (%) Heat shock (225° C, 4 hrs.) Secant modulus @ 2% (psi) Dynamic cut through (lbs.) Longitudinal change (%) Volume resistivity (ohm-cm) Flammability Shrink temperature, ° C, complete recovery	ASTM D2671 ASTM D2671 ASTM D2671 ASTM D2671 ASTM D3032 ASTM D2671 ASTM D2671 SAE J1128 -----	1500 min. 250 min. no cracking, dripping, or flowing of outer jacket 2.0 X 10 ⁴ min. 30 min. 0 to -10 1 X 10 ¹² min. Pass 120
Splice performance: Current leakage, microamps Current leakage, microamps, after: Thermal humidity cycling Thermal aging Thermal shock Fluid immersion ASTM Oil #3 Power steering fluid Automatic transmission fluid Engine coolant No. 2 diesel fuel Windshield solvent ASTM Reference Fuel 'C' SAE J 1703 brake fluid	Delphi Packard Electric Systems ES-A-603-D 15 cycles 1008 hrs. / 125° C -40 to +125° C, 125 cycles 100° C, 2 hrs 100° C, 2 hrs 100° C, 2 hrs 100° C, 2 hrs 23° C, 2 hrs 23° C, 2 hrs 23° C, 2 hrs 50° C, 2 hrs	0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max. 0.25 max.

Specification references: Delphi Packard Electric ES-A-603-D
 Ford ESB-M99D56-A2
 Chrysler MS-DB56, Type B
 UL224 E75077, 600 volts, 125° C, AFT



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