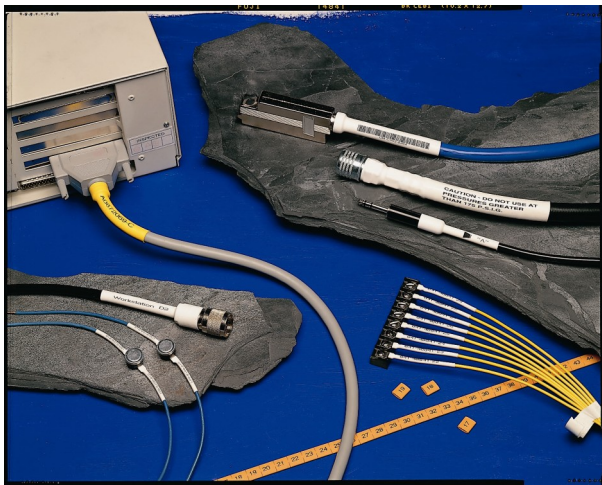


2:1 Shrink Ratio Flexible Polyolefin



Specifications:

SAE AMS-DTL-23053/5, Class 1 & 3 compliant

Print Performance:

Adherence: SAE-AS5942

MIL-STD-202G, Method 215J

Store in original packaging

Product Overview:

SwitchSHRINK® heat shrink tubing is a markable product, manufactured to the highest quality standards. SwitchSHRINK® tubing product meets all requirements of SAE AMS-DTL-23053/5, Class 1 & 3. This product also meets print adherence requirements of SAE-AS5942, when used in conjunction with resin ribbons.

Applications:

Wire identification

Strain relief

Wire protection

Abrasion protection

Fluid resistance

Product Features:

Shrink temperature is 90°C

Operating temperature range -55°C to +135° C and up to 200° C for short durations

Tubing will produce marked sleeves that remain legible after prolonged UV exposures (720 hrs. xenon-arc lamp)

Continuous format for cut-to-length requirements and cost savings

RoHS/RoHS2 compliant

UL recognized

Colors—white, black, yellow, other colors.

Technical Specifications:

Property	Test Method	Requirement
Tensile strength (psi)	ASTM D 638	1500 min.
Elongation (%)	ASTM D 638	200 min.
Specific gravity	ASTM D 792	1.35 max.
Low temperature flex (-55° C)	AMS-DTL-23053	no cracking
Heat shock (250° C, 4 hrs.)	AMS-DTL-23053	no cracking
Heat resistance (175° C, 168 hrs.)		
Elongation (%)	ASTM D 638	100 min.
Secant modulus (psi)	ASTM D 882	2.5 X 10 ⁴ max.
Longitudinal change (%)	AMS-DTL-23053	+/- 5
Electrical:		
Dielectric strength (volts/mil)	ASTM D 876	500 min.
Volume resistivity (ohm-cm)	ASTM D 876	1.0 X 10 ¹⁴ min.
Chemical:		
Corrosion (175° C, 16 hrs.)	AMS-DTL-23053	no corrosion
Water absorption (%)	ASTM D 570	0.5 max.
Fluid resistance (23° C, 24 hrs.)		
Tensile strength (psi)	AMS-DTL-23053	1000 min.
Flammability	UL 224 VW-1	Pass
Shrink temperature, nominal		90° C

Specification reference: MIL-S-85848/1

AMS-DTL-23053/5, Class 1 & 3 (2" size does not meet Class 3)

SAE-AS5942 and UL 224 125°C, 600v

File: E48762

CSA

STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
1/16	.063	(1.6)	.031	(0.8)	.017	(0.43)
3/32	.093	(2.4)	.046	(1.2)	.020	(0.51)
1/8	.125	(3.2)	.062	(1.6)	.020	(0.51)
3/16	.187	(4.8)	.093	(2.4)	.020	(0.51)
1/4	.250	(6.4)	.125	(3.2)	.025	(0.64)
3/8	.375	(9.5)	.187	(4.8)	.025	(0.64)
1/2	.500	(12.7)	.250	(6.4)	.025	(0.64)
3/4	.750	(19.1)	.375	(9.5)	.030	(0.76)
1	1.000	(25.4)	.500	(12.7)	.035	(0.89)
1 1/2	1.500	(38.1)	.750	(19.1)	.040	(1.02)
2**	2.000	(50.8)	1.000	(25.4)	.045	(1.14)

**This size does not meet /5, Class 3 (size not listed in Class 3 size table)