



# SR1F

## Heat shrinkable thin wall tube

self-extinguishing, shrink ratio 2 : 1, without adhesive

### Characteristics

- Thin wall
- Inscrutable
- Resistant to chemical agents
- Stabilized against UV rays
- Free from paint-wetting inhibiting substances
- Non-corrosive
- Infusible
- High flexibility
- Superior electrical properties
- High tensile strength
- Resistant to cold flow (thermally stable)
- Self-extinguishing (except transparent)

### Application/Suitability

- Insulating
- Bundling
- Marking
- Corrosion protection
- Mechanical protection

### Material

- Cross-linked polyolefin
- Free of lead and cadmium

### Test standards

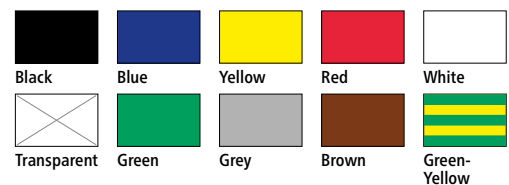
- Approved according to UL File No.: E 172094
- Corresponds to MIL-I-23053/5 class 1

### Storage conditions/Shelf life

- Unlimited shelf life



### Colours



### Scope of delivery

Thin wall heat shrinkable tube, on spool or in lengths

Note: A standard spool may include sections which have been tied together. Other lengths available on request.

Type	L m	Inner-Ø inch before shrinking	Inner-Ø mm		Recovered wall thickness mm	Art.-No.	
			before shrinking	after shrinking			
<b>Spool   Colour: Black</b>							
SR1F	1.6-0.8	300	1/16	1.6	0.8	0.43	126954
	2.4-1.2	300	3/32	2.4	1.2	0.51	126960
	3.2-1.6	300	1/8	3.2	1.6	0.51	126961
	4.8-2.4	300	3/16	4.8	2.4	0.52	126969
	6.4-3.2	300	1/4	6.4	3.2	0.64	126891
	9.5-4.8	150	3/8	9.5	4.8	0.64	126899
	12.7-6.4	100	1/2	12.7	6.4	0.64	126907
	19.1-9.5	50	3/4	19.1	9.5	0.76	126916
	25.4-12.7	50	1	25.4	12.7	0.89	126924
	38.1-19.1	50	1 1/2	38.1	19.1	1.02	126932
	51.0-25.4	50	2	51	25.4	1.14	126940
76.0-38.0	25	3	76	38	1.27	126945	
102.0-51.0	25	4	102	51	1.40	126950	
<b>Lengths   Colour: Black</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	144322
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	144328
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	144334
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	203008
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	127189
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	127190
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	127191
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	127192
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	127193
	25.4-12.7	1.2	1	25.4	12.7	0.89	127194
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144288
	51.0-25.4	1.2	2	51	25.4	1.14	144300
	76.0-38.0	1.2	3	76	38	1.27	144308
102.0-51.0	1.2	4	102	51	1.40	144315	
<b>Lengths   Colour: Blue</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	144324
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	144330
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	144336
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	144345
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	127201



Type	L m	Inner-Ø inch before shrinking	Inner-Ø mm		Recovered wall thickness mm	Art.-No.	
			before shrinking	after shrinking			
<b>(Continuation) Lengths   Colour: Blue</b>							
SR1F	6.4-3.2	1.2	1/4	6.4	3.2	0.64	127202
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	127203
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	127204
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	127205
	25.4-12.7	1.2	1	25.4	12.7	0.89	127206
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144292
	51.0-25.4	1.2	2	51	25.4	1.14	144302
	76.0-38.0	1.2	3	76	38	1.27	144310
102.0-51.0	1.2	4	102	51	1.40	144317	
<b>Lengths   Colour: Yellow</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	203911
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	203913
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	203919
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	203923
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	203927
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	203931
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	203935
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	203915
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	203917
	25.4-12.7	1.2	1	25.4	12.7	0.89	203921
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	203925
	51.0-25.4	1.2	2	51	25.4	1.14	203929
102.0-51.0	1.2	4	102	51	1.40	203857	
<b>Lengths   Colour: Red</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	144326
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	144332
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	144338
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	144347
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	127207
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	127208
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	127209
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	127210
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	127211
	25.4-12.7	1.2	1	25.4	12.7	0.89	127212
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144294
	51.0-25.4	1.2	2	51	25.4	1.14	144304
	76.0-38.0	1.2	3	76	38	1.27	144312
102.0-51.0	1.2	4	102	51	1.40	144319	
<b>Lengths   Colour: White</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	144327
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	144333
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	144339
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	144348
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	127213
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	127214
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	127215
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	127216
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	127217
	25.4-12.7	1.2	1	25.4	12.7	0.89	127218
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144295
	51.0-25.4	1.2	2	51	25.4	1.14	144305
	76.0-38.0	1.2	3	76	38	1.27	144313
102.0-51.0	1.2	4	102	51	1.40	144320	
<b>Lengths   Colour: Transparent</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	144323
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	144329
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	144335
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	144344
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	203267
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	203270
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	144255
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	144267
	25.4-12.7	1.2	1	25.4	12.7	0.89	144279
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144291
	51.0-25.4	1.2	2	51	25.4	1.14	144301



Type	L m	Inner-Ø inch before shrinking	Inner-Ø mm		Recovered wall thickness mm	Art.-No.	
			before shrinking	after shrinking			
<b>(Continuation) Lengths   Colour: Transparent</b>							
SR1F	76.0-38.0	1.2	3	76	38	1.27	144309
	102.0-51.0	1.2	4	102	51	1.40	144316
<b>Lengths   Colour: Green</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	203910
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	203912
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	203918
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	203922
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	203926
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	203930
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	203934
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	203914
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	203916
	25.4-12.7	1.2	1	25.4	12.7	0.89	203920
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	203924
	51.0-25.4	1.2	2	51	25.4	1.14	203928
102.0-51.0	1.2	4	102	51	1.40	203856	
<b>Lengths   Colour: Grey</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	203279
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	203280
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	203283
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	144349
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	203266
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	203269
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	203272
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	144262
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	203274
	25.4-12.7	1.2	1	25.4	12.7	0.89	144286
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144298
	51.0-25.4	1.2	2	51	25.4	1.14	203284
76.0-38.0	1.2	3	76	38	1.27	203285	
102.0-51.0	1.2	4	102	51	1.40	203282	
<b>Lengths   Colour: Brown</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	203278
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	201541
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	144340
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	144350
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	203265
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	203268
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	203271
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	144263
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	144275
	25.4-12.7	1.2	1	25.4	12.7	0.89	144287
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144299
	76.0-38.0	1.2	3	76	38	1.27	169180
102.0-51.0	1.2	4	102	51	1.40	203281	
<b>Lengths   Colour: Green-Yellow</b>							
SR1F	1.2-0.6	1.2	3/64	1.2	0.6	0.41	198530
	1.6-0.8	1.2	1/16	1.6	0.8	0.43	198519
	2.4-1.2	1.2	3/32	2.4	1.2	0.51	198518
	3.2-1.6	1.2	1/8	3.2	1.6	0.51	144343
	4.8-2.4	1.2	3/16	4.8	2.4	0.52	127225
	6.4-3.2	1.2	1/4	6.4	3.2	0.64	127226
	9.5-4.8	1.2	3/8	9.5	4.8	0.64	127227
	12.7-6.4	1.2	1/2	12.7	6.4	0.64	127228
	19.1-9.5	1.2	3/4	19.1	9.5	0.76	127229
	25.4-12.7	1.2	1	25.4	12.7	0.89	127230
	38.1-19.1	1.2	1 1/2	38.1	19.1	1.02	144290
	51.0-25.4	1.2	2	51	25.4	1.14	203889

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→ Continuation

**SR1F Heat shrinkable thin wall tube**

Technical data	Value	Test standard
<b>Physical properties</b>		
Elongation at break	350 %	ASTM D 638
Tensile strength at break	13 MPa	ASTM D 638
Longitudinal shrinkage	≤ 10 %	ASTM D 2671
Shrink ratio	2:1	IEC 811-1-1
<b>Thermal properties</b>		
Operating temperature range	-55 °C up to 135 °C	IEC 216
Shrinkage temperature	> 90 °C	CPT Test
Burning behaviour	self-extinguishing	UL 224
Flexibility at low temperatures	-55 °C	ASTM-D 2671 C
<b>Electrical properties</b>		
Dielectric strength	20 kV/mm	ASTM D 2671
Specific volume resistivity	10 <sup>14</sup> Ω x cm	ASTM D 257
<b>Chemical properties</b>		
Corrosion	None	ASTM D 2671 B
Resistance to fungus and decay	No growth	AMS-DTL-7444