



# 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

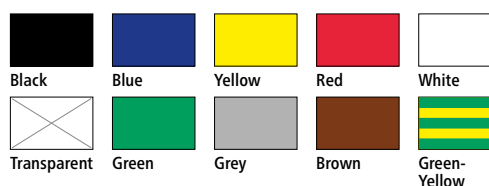
- Approved according to UL File No.: E 172094
- Corresponds to MIL-I-23053/5 class 1

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





| Type  | L<br>m     | Inner-Ø<br>inch<br>before shrinking | Inner-Ø<br>mm    |                 | Recovered<br>wall thickness<br>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  |