

## Plenum Rated Halar® Expandable Braided Sleeving

Halar® self-extinguishing sleeving is used where flammability, high temperature endurance and low outgassing are the concern. This sleeving is made from strands of high temperature, flame resistant Halar monofilaments that are able to resist a wide range of corrosive chemicals and organic solvents.

### Application

Its low flame spread and smoke generation properties make it the perfect option for use in technologically-advanced applications, such as those in the automotive, aerospace and vital military markets.

### Benefits

- Resists gasoline and engine chemicals.
- Exceeds automotive industry requirements of FMVSS 302 as well as aviation industry requirements of FAR 25.
- Expands up to 150% for economical and expeditious installation.
- Withstands abrasion and won't degrade when exposed to Cobalt 60 radiation conditions.
- Meets UL 2024 and NFPA 262 specifications for plenum applications.



### Material Data

|                       |   |
|-----------------------|---|
| Material              | Ethylene Chlorotrifluoroethylene Monofilament (ECTFE) |
| Flammability          | UL VW-1   |
| Operating Temperature | -103°F to 302°F<br>-75°C to 150°C                     |
| Melt Point            | 482°F / 250°C   |
| Abrasion Protection   | Medium  |
| Recommended Cutting   | Hot Knife   |



### Product Selection

| Part No.  | Nominal Size |      | Type       | Expansion Range |            | Expansion Range |            | Color | Reel Length |      | Weight |      |
|-----------|--------------|------|------------|-----------------|------------|-----------------|------------|-------|-------------|------|--------|------|
|           | in.          | mm.  |            | (Min.) in.      | (Max.) in. | (Min.) mm.      | (Max.) mm. |       | ft.         | m.   | lbs.   | kg.  |
| 170-03098 | 1/8          | 3.2  | BSHLR180   | .094            | .25        | 2.4             | 6.4        | Black | 225         | 68.6 | .6     | .27  |
| 170-03100 | 1/4          | 6.4  | BSHLR140   | .125            | .437       | 3.2             | 11.1       | Black | 200         | 61.0 | .8     | .36  |
| 170-03102 | 3/8          | 9.5  | BSHLR380   | .187            | .625       | 4.7             | 15.9       | Black | 125         | 38.1 | 1.1    | .50  |
| 170-03104 | 1/2          | 12.7 | BSHLR120   | .25             | .75        | 6.4             | 19.1       | Black | 100         | 30.5 | 1.1    | .50  |
| 170-03106 | 3/4          | 19.1 | BSHLR340   | .50             | 1.25       | 12.7            | 31.8       | Black | 75          | 22.9 | 1.3    | .60  |
| 170-03108 | 1            | 25.4 | BSHLR100   | .625            | 1.625      | 15.9            | 41.3       | Black | 65          | 19.8 | 1.4    | .64  |
| 170-03110 | 1-1/4        | 31.8 | BSHLR1140  | .75             | 1.75       | 19.1            | 44.5       | Black | 50          | 15.2 | 1.3    | .60  |
| 170-03112 | 1-3/4        | 44.4 | BSHLR1340  | 1.25            | 2.75       | 31.8            | 69.9       | Black | 30          | 9.1  | 1.3    | .60  |
| 170-03114 | 2            | 50.8 | BSHLR200   | 1.50            | 3.50       | 38.1            | 88.9       | Black | 50          | 15.2 | 2.3    | 1.04 |
| 170-03099 | 1/8          | 3.2  | BSHLR1810  | .094            | .25        | 2.4             | 6.4        | White | 225         | 68.6 | .6     | .27  |
| 170-03101 | 1/4          | 6.4  | BSHLR1410  | .125            | .437       | 3.2             | 11.1       | White | 200         | 61.0 | .8     | .36  |
| 170-03103 | 3/8          | 9.5  | BSHLR3810  | .187            | .625       | 4.8             | 15.9       | White | 125         | 38.1 | 1.1    | .50  |
| 170-03105 | 1/2          | 12.7 | BSHLR1210  | .25             | .75        | 6.4             | 19.1       | White | 100         | 30.5 | 1.1    | .50  |
| 170-03107 | 3/4          | 19.1 | BSHLR3410  | .50             | 1.25       | 12.7            | 31.8       | White | 75          | 22.9 | 1.3    | .60  |
| 170-03109 | 1            | 25.4 | BSHLR1010  | .625            | 1.625      | 15.9            | 41.3       | White | 65          | 19.8 | 1.4    | .64  |
| 170-03111 | 1-1/4        | 31.8 | BSHLR11410 | .75             | 1.75       | 19.1            | 44.5       | White | 50          | 15.2 | 1.3    | .60  |
| 170-03113 | 1-3/4        | 44.4 | BSHLR13410 | 1.25            | 2.75       | 31.8            | 69.9       | White | 30          | 9.1  | 1.3    | .60  |
| 170-03115 | 2            | 50.8 | BSHLR2010  | 1.50            | 3.50       | 38.1            | 88.9       | White | 50          | 15.2 | 2.3    | 1.04 |

Use Part No. for ordering and Type for specification.

Halar® is a registered trademark of the Solvey Solexis Corporation.

Halar product is produced on 8" diameter mini spools, which will not fit in merchandising display.

