

# Technical Overview

## Silicone Firesleeve Tape

Silicone Firesleeve Tape is a self-fusing silicone rubber tape designed for localized thermal protection, sealing, and reinforcement within firesleeve and hose protection systems. It is used to improve durability at sleeve terminations, overlap areas, and high-wear points.

|                  |                                                |
|------------------|------------------------------------------------|
| Product type     | Self-fusing silicone firesleeve accessory tape |
| Primary function | Sealing and localized thermal reinforcement    |
| Material         | Silicone rubber                                |
| Adhesive         | None (self-amalgamating)                       |
| Typical use      | Firesleeve systems, hose and cable protection  |

### Engineering purpose

Silicone Firesleeve Tape is intended to support system-level thermal protection by sealing exposed firesleeve ends, reinforcing localized high-risk sections, and reducing wear at transition points. It is not designed to replace primary firesleeve insulation.

### Material & performance characteristics

The silicone rubber construction maintains flexibility under elevated temperatures and provides resistance to moisture, oils, fuels, and many common chemicals. The self-fusing design forms a continuous seal without the need for adhesives.

### Typical applications

- Sealing and finishing firesleeve ends
- Reinforcing hose sections near exhaust or engine heat
- Protecting cable bundles and wiring in localized hot zones
- Maintenance and retrofit of firesleeve-protected assemblies

### Installation guidelines

- Clean and dry the application area
- Wrap tightly with sufficient overlap
- Stretch slightly during application to activate self-fusing behavior
- Press layers together to ensure a continuous seal

### Limitations

This product provides localized protection and reinforcement only. It is not intended as a standalone thermal insulation solution or for continuous direct flame exposure.

### RFQ information

To provide accurate pricing and lead time, please include the following information with your inquiry:

- Tape width
- Roll length
- Color (oxide red or black)
- Quantity required
- Application environment (optional)

### Reference product page

[https://www.pkfiresleeve.com/silicone-firesleeve-tape\\_p213.html](https://www.pkfiresleeve.com/silicone-firesleeve-tape_p213.html)

Engineering note: Performance depends on installation method, surrounding thermal conditions, and compatibility with the firesleeve system.