

FLAME RETARDANT GRADE

# Sayflex™ FR



## PET Expandable Braided Sleeving

### Product Overview

**Sayflex™ FR** expandable braided sleeving is manufactured from flame-retardant polyethylene terephthalate (PET) monofilament yarns. It is engineered to provide enhanced flame resistance and abrasion protection, wire harness protection, and cable management across a wide range of industrial and commercial applications.

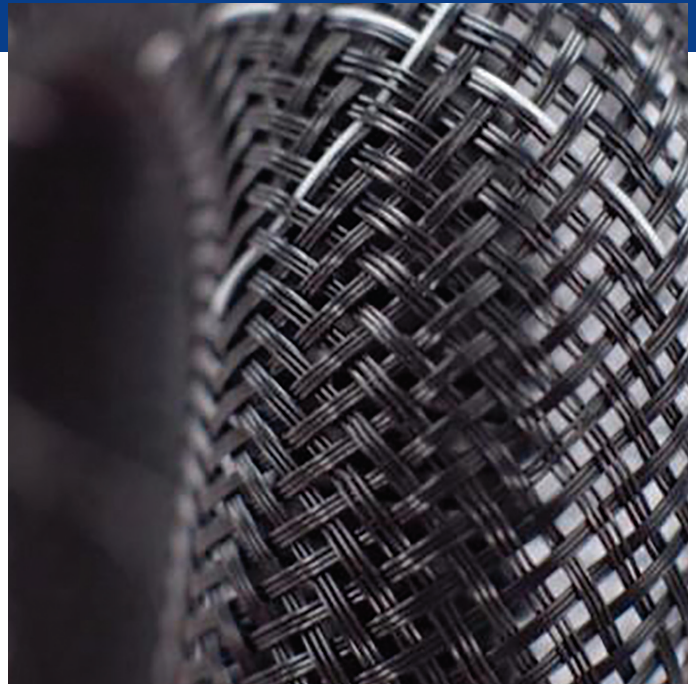
**Grade:** FR – Flame Retardant

### Key Features

- Flame retardant, self-extinguishing (UL VW-1)
- High abrasion resistance
- Excellent flexibility
- Expandable construction for simplified installation
- Lightweight yet durable
- Halogen-free
- Resistant to fuels, oils, and common solvents
- RoHS and REACH compliant
- Criss Cross Tracer for Identification

### Material & Construction

Property	FR Grade Specification
Base Material	Flame Retardant PET Monofilament
Construction	Expandable Braided
Standard Color	Black
Halogen Free	Yes
Compliance	RoHS/REACH



### Applications

- Automotive wire harnesses
- Industrial control panels
- Marine systems
- Robotics and automation
- Data and telecommunications infrastructure
- Consumer electronics

### Compliance & Certifications

- RoHS Compliant
- REACH Compliant
- Halogen-Free
- UL VW-1 Flame Rated

## Thermal Properties

Property	Value
Continuous Operating Temperature	-70°C to +125°C
Short-Term Exposure	Up to +230°C
Melting Point	Approx. 240°C

## Mechanical Properties

Property	Typical Value
Expansion Ratio	1.5:1 - 2:1
Abrasion Resistance	High
Cut Resistance	Good
Flexibility	Excellent
Chemical Resistance	Oils, Fuels, Solvents

## Standard Sizes

Part Number	Nominal I.D.	Minimum I.D.	Maximum Expansion
SF 1/8" FR	1/8"	3/32"	9/32"
SF 1/4" FR	1/4"	1/8"	3/8"
SF 3/8" FR	3/8"	3/16"	5/8"
SF 1/2" FR	1/2"	1/4"	3/4"
SF 5/8" FR	5/8"	3/8"	1"
SF 3/4" FR	3/4"	1/2"	1 1/4"
SF 1" FR	1"	5/8"	1 5/8"
SF 1-1/4" FR	1-1/4"	3/4"	1 3/4"
SF 1-1/2" FR	1-1/2"	1"	2 1/2"
SF 2" FR	2"	1 1/4"	2 3/4"
SF 2-1/2" FR	2-1/2"	1 1/2"	3 1/4"
SF 3" FR	3"	2"	4"

Custom sizes available upon request.

## Ready to Place Your Order?

### Ordering Information

Please specify:

- Nominal size
- Color
- Reel length
- Certification requirements

### Packaging Options

- Bulk reels
- Cut lengths
- Custom reel configurations
- OEM and private label packaging available



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**Disclaimer:** All technical data provided represents typical performance values and is subject to change without notice. It is the responsibility of the user to determine product suitability for the intended application.