

Product Highlights

- Operating temperature up to +150°C (+302°F)
- Excellent abrasion resistance
- Highly flexible and easy to install
- Expandable design for custom fit
- Lightweight and breathable textile design
- Available with fray resistant end-treatment for cut lengths

Typical Applications

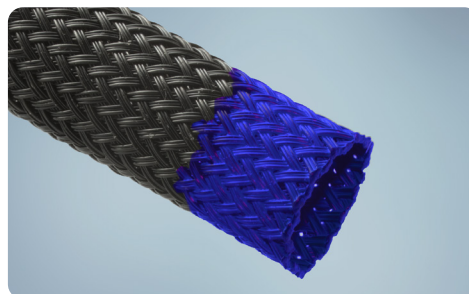
- Hose & Tubing Applications
- Cable Assemblies
- Wire Harnesses



FlexGuard® 2120 is a lightweight and flexible braided sleeve designed to provide mechanical protection for most common automotive applications. Constructed of PA (polyamide) monofilament guard strands and PET (polyethylene terephthalate) support strands, this dual-monofilament blend provides an excellent balance of abrasion protection, temperature resistance, and installability.

For typical applications, FlexGuard 2120 is designed with a standard construction to provide excellent mechanical protection, effectively extending the service life of hose and tubing applications as well as wire harnesses and other critical components.

With the ability to expand many times larger than its diameter, FlexGuard 2120 is easy to install, can adapt to a wide range of application sizes and profiles, as well as accommodate large pre-installed connectors. The breathable textile construction allows fluids drainage and heat dissipation as well as prevents condensation.



Also available in a dipped end version (FlexGuard 2120LD) designed specifically for fray resistance. Dipped ends are only visible under ultraviolet (UV) light.



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

To facilitate installation and optimize fit for standard tube hose and cable sizes, multiple variations of FlexGuard 2120 have been created (Examples: FG2120X, FG2120Y, FG2120Z). Please contact your local sales rep to see if one of these products is more suitable for your application.

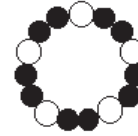
Performance Data – FlexGuard® 2120

Property	Test Method	Result
Temperature Rating	240 hours at +175°C (+150°C rating)	Pass +150°C (+302°F)
Low Temperature Flexibility	SAE J2192	Pass -70°C (-94°F)
Flammability	SAE J369	Self-extinguishing
Fluid Resistance	SAE J2192	Pass
Melt Temperature	ASTM D3418	245°C to 265°C (+473°F to +509°F)

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Construction and Typical Product Characteristics

Guard Strands	PA (polyamide) monofilament (Shown in white)
Support Strands	PET (polyethylene terephthalate) monofilament (Shown in black)



End view (enlarged diameter) of FlexGuard 2120 showing guard strands (larger, white) and support strands (smaller, black) in a typical configuration.

Standard Sizes

Nominal diameter (mm)	Recommended Application Range (mm)	
	Min Ø	Max Ø
3	2	6
6	4	8
8	6	10
10	8	13
13	6	19
16	13	22
19	16	29
25	19	38
32	25	45
38	32	51
51	38	76
76	51	89

Colors: Black | Orange | Natural | Red

* Application based variables will influence the sleeve size required. Routing geometry and application type may present installation and fit challenges that should be considered. Max and Min values above are for guidance only. There may be multiple variations of this braid designed to facilitate installation and optimize fit. Proper sleeve sizing should be confirmed by the end user. Please consult your local sales representative for recommendations and support.

Availability

Standard sizes are listed here. Additional sizes could be available upon request.

Available in spools and custom cut lengths. Recommended cut lengths are in 5mm increments. Please see regional drawings for cut length tolerances.

Standard colors listed below table. Additional colors may be available.

Please consult your local sales representative for regional packaging details and standards.



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600
 EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560
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