

Clevaflex® Sewn Sleeve

Sewn Aluminum Fiberglass Sleeving for Thermal protection of Hoses, Tubes, Cables and other Critical Components

Clevaflex® Sewn Sleeve is a flexible sewn fiberglass sleeve with a highly reflective surface providing excellent component protection from radiant heat. The sleeve is manufactured from a woven fiberglass laminated to an aluminum foil folded flat and sewn along the open edge to create a strong flexible sleeve.

The **Clevaflex® Sewn Sleeve** provides thermal protection from a radiant heat source up to 1000°F and is available in sizes from 3/8" to 2-1/2" diameters. Sleeving is available in spools or cut to length finished parts.

Typical Applications:

- Power steering hoses
- Air conditioning hoses
- Heater hoses
- Wire harnesses
- Brake tubes and hoses
- Engine compartment components
- Spark plug wires

Features:

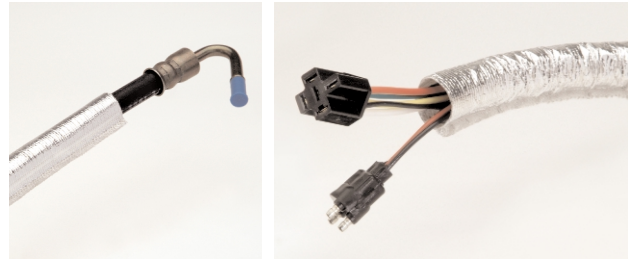
- Excellent protection from radiated heat
- Significantly reduces component temperatures
- Flexible: easy to install and route
- High strength-to-weight ratio
- Fluid resistant
- Fray resistant
- Abrasion protection

Clevaflex®



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Thermal Protection For Hoses,
Cables and other Critical Components

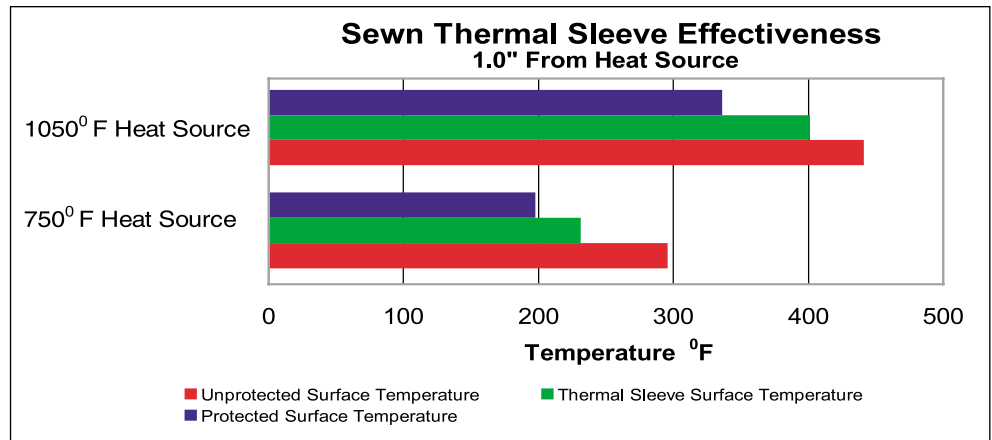


Property:	Test Method	Test Value
Description	Woven fiberglass laminated to an aluminum foil	
Peel Strength	ASTM D 1876 after 30 min. immersion in brake fluid	0.1 N/mm minimum
Low Temperature Flexibility	Sleeve is held at -60° C for 6 hours, and then wrapped around a mandrel which is 2X the nominal diameter of the sleeve	No cracking or delamination
Thermal Endurance	Sleeve is held 25.4 mm above a 536°C radiant heat source for 6 hours	No delamination of the foil from the fabric
Thermal Endurance	Oven soak, 10 hours at 175°C	No cracking or delamination
Tear Strength	ASTM D 1117, section 14 Warp Fill	220N minimum 310N minimum
Flammability	ASTM D 4723 / Fed. Std. 191-5903.1 Char length Afterglow Flameout	Less than 19mm Less than 3 sec. Less than 3 sec.
Burst strength	ASTM D 774	3.7 Mpa minimum
Tensile strength	ASTM D 1682, Method 1C-E Warp Fill	42.9N/mm minimum 38.5N/mm minimum

All Clevaflex Sewn Sleeves meet the above specifications.

Nominal I.D.	Part Number
3/8"	SS-18-FG-0375
1/2"	SS-18-FG-0500
5/8"	SS-18-FG-0625
3/4"	SS-18-FG-0750
7/8"	SS-18-FG-0875
1"	SS-18-FG-1000
1-1/4"	SS-18-FG-1250
1-1/2"	SS-18-FG-1500
1-3/4"	SS-18-FG-1750
2"	SS-18-FG-2000
2-1/2"	SS-18-FG-2500

Clevaflex Sewn Sleeving comes with standard 18.5 oz. fiberglass, with 12.5 oz. and 9.6 oz. options.



SAE J2302 Thermal Effectiveness for Sleeve Insulation: 18.5 oz. Sewn Sleeve.

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