

SILVERFLEX® TREATED FIBERGLASS SLEEVING

Class 240°C • For High Temperature — Low Voltage Applications
UL Recognized Component: VW-1 (FR-1), File No. E51556



DESCRIPTION

SILVERFLEX sleeving is a braided fiberglass sleeving which has been heat treated (natural) or heat treated and impregnated (T&D) with an acrylic binder. The natural type comes only in a silver-grey color, while the impregnated type (“T & D” for treated and dyed) can be furnished in brown, orange, black, red, yellow, blue or green for color coding. SILVERFLEX sleeving is rated VW-1 by the Underwriters Laboratories, Inc. (File No. E51556) and can be furnished with printed legend on the spool head on request.

FEATURES

SILVERFLEX fiberglass sleeving is a custom-braided fiberglass sleeving designed specifically for applications where temperatures as high as 1200°F may be encountered. It will maintain its basic properties and do the job in appropriate applica-

tions.

The heat treatment applied during production gives SILVERFLEX fiberglass sleeving non-fraying properties that make it ideal for applications where short lengths are used. The heat treatment also sets the size and removes the starch-oil binder. This same sleeving can also be supplied with a light impregnant which further minimizes fraying and helps maintain a round cross-section where this is desirable. Both types are easily expanded for ease of installation.

In addition to the standard wall thicknesses, heavy walls are available. SILVERFLEX fiberglass sleeving designs can be produced to meet specific requirements.

For flexibility, expandability, high temperature applications, and resistance to fraying, SILVERFLEX sleeving is the material to use.

DIMENSIONS

Size	Inside Diameter				Standard Package
	Maximum		Minimum		
	Inch	(mm)	Inch	(mm)	Feet
24	.027	(.66)	.020	(.51)	500
22	.032	(.81)	.025	(.64)	500
20	.039	(.99)	.032	(.81)	500
18	.049	(1.24)	.040	(1.02)	500
17	.054	(1.37)	.045	(1.19)	500
16	.061	(1.55)	.051	(1.30)	500
15	.067	(1.70)	.057	(1.45)	500
14	.074	(1.88)	.064	(1.63)	500
13	.082	(2.08)	.072	(1.83)	250
12	.091	(2.31)	.081	(2.06)	250
11	.101	(2.57)	.091	(2.31)	250
10	.112	(2.84)	.102	(2.59)	250
9	.124	(3.15)	.114	(2.90)	250
8	.141	(3.58)	.129	(3.28)	250
7	.158	(4.01)	.144	(3.66)	250
6	.178	(4.52)	.162	(4.11)	250
5	.198	(5.03)	.182	(4.62)	250
4	.224	(5.69)	.204	(5.18)	250
3	.249	(6.32)	.229	(5.82)	250
2	.278	(7.06)	.258	(6.55)	250
1	.311	(7.90)	.289	(7.34)	100
0	.347	(8.81)	.325	(8.26)	100
3/8"	.399	(10.13)	.375	(9.53)	100
7/16"	.462	(11.73)	.438	(11.13)	100
1/2"	.524	(13.31)	.500	(12.70)	100
5/8"	.655	(16.64)	.625	(15.88)	100
3/4"	.786	(19.96)	.750	(19.05)	100
7/8"	.911	(23.14)	.875	(22.23)	100
1"	1.036	(26.31)	1.000	(25.40)	100

APPLICATIONS

SILVERFLEX fiberglass sleeving is used where space factor electrical insulation is sufficient, particularly where high temperatures are encountered. It is used as primary insulation on low voltage applications such as leads in toasters, hot plates, hand irons, coffee makers, range units, percolators, french-fry vessels and other appliances.

In some cases, SILVERFLEX fiberglass sleeving is used as supplementary insulation and protection for other types of primary insulation such as asbestos, extruded silicone rubber, etc. It is popular as a replacement for asbestos gasketing.

SILVERFLEX fiberglass sleeving is used as insulation and protection for small heaters and resistors which operate at high temperatures.

A frequent use of SILVERFLEX fiberglass sleeving is over electrical joints, especially where solder is used and soldering iron temperatures may be reached by the insulation for short periods.

A new use of SILVERFLEX fiberglass sleeving is in vacuum pressure impregnation of stators and rotors, where it is used in heavy wall versions on coil ends and leads.

Non-electrical uses include gaskets for range doors and range door windows, as chemical filters, as reinforcement for baseball bat handles and many others.

ADVANTAGES

For low-voltage applications, especially those involving heat, SILVERFLEX fiberglass sleeving provides a sturdy, long-lasting and inexpensive insulation. It is flexible and expandable, enabling it to be readily slipped over irregular profiles. It is readily saturated with insulating varnishes or other impregnants. It will withstand use temperatures as high as 1200°F.

STANDARD COLORS

Unsaturated — Natural silver to tan.

T & D saturated — Black, red, yellow and clear.

Others colors available on special order.