

Fiberglass Knitted Sleeve: Premium Grade

1200°F / 648°C: Continuous Rating – Higher Temperature for Shorter Periods

DeltaGlass™ Very High Temperature & Heat Resistant Knitted Sleeve for Wire, Cable, Hose & Pipe / Tube protection and Personnel Burn Protection



This Knitted fiberglass sleeve is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1200°F / 648°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

Knitted or Braided Fiberglass Sleeve is typically used to protect hoses, cables and wires from high temperatures up to 1200°F / 648°C continuous use.

1200°F / 648°C continuous rating, high insulation value & excellent personnel protection.

Knitted sleeve has an advantage over braided sleeve, as it is dimensionally stable and only minimally expandable compared to braided sleeve – it conforms well to the object over which it is placed without clamping to hold it onto the object.

This sleeve is commonly used to protect wire, cables and hoses from heat exposure. The construction of the sleeve provides a high bulk, ensuring a high insulation value. It can also be used in multiple layers to increase the total insulation value. Conversely, this sleeve can protect personnel from contact burns due to hot process hoses, tubing or lines.

The total sleeve thickness necessary to drop the surface temperature to the 140°F hot surface incidental contact temperature (OSHA generally accepted value) varies with the temperature of the hose or tube, the fluid flow rate, and ambient temperature; but as a general rule, a pipe or tube at 1000°F will require a 1" thickness of fiberglass insulation.

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ID Size inch / mm / dash#			Part Number	Price per Foot / 100 ft length	ID Size inch / mm / dash#			Part Number	Price per Foot / 100 ft length
1/2"	13	-08	S-FG-KNIT-M013-08	\$ 2.66 / \$ 133.00	2 1/4"	57	-36	S-FG-KNIT-M057-36	\$ 10.20 / \$ 510.00
5/8"	16	-10	S-FG-KNIT-M016-10	\$ 2.94 / \$ 147.00	2 1/2"	64	-40	S-FG-KNIT-M064-40	\$ 13.20 / \$ 660.00
3/4"	19	-12	S-FG-KNIT-M019-12	\$ 3.34 / \$ 167.00	2 3/4"	70	-44	S-FG-KNIT-M070-44	\$ 16.86 / \$ 843.00
7/8"	22	-14	S-FG-KNIT-M022-14	\$ 3.94 / \$ 197.00	3"	76	-48	S-FG-KNIT-M076-48	\$ 19.00 / \$ 950.00
1"	25	-16	S-FG-KNIT-M025-16	\$ 4.54 / \$ 227.00	3 1/4"	83	-52	S-FG-KNIT-M083-52	\$ 20.34 / \$ 1017.00
1 1/4"	32	-20	S-FG-KNIT-M032-20	\$ 5.40 / \$ 270.00	3 1/2"	89	-56	S-FG-KNIT-M089-56	\$ 21.86 / \$ 1093.00
1 3/8"	35	-22	S-FG-KNIT-M035-22	\$ 5.54 / \$ 277.00	3 3/4"	95	-60	S-FG-KNIT-M095-60	\$ 22.66 / \$ 1133.00
1 1/2"	38	-24	S-FG-KNIT-M038-24	\$ 5.66 / \$ 283.00	4"	102	-64	S-FG-KNIT-M102-64	\$ 22.86 / \$ 1143.00
1 3/4"	44	-28	S-FG-KNIT-M044-28	\$ 7.34 / \$ 367.00	4 1/2"	114	-72	S-FG-KNIT-M114-72	\$ 26.26 / \$ 1313.00
1 7/8"	48	-30	S-FG-KNIT-M048-30	\$ 7.94 / \$ 397.00	5"	127	-80	S-FG-KNIT-M127-80	\$ 30.20 / \$ 1510.00
2"	51	-32	S-FG-KNIT-M051-32	\$ 8.54 / \$ 427.00	6"	152	-96	S-FG-KNIT-M152-96	\$ 36.20 / \$ 1810.00

Minimum order is 25 feet

DeltaGlass™ Knitted or Braided Fiberglass Sleeving is typically used to protect hoses, cables and wires from high temperatures up to 1200°F / 648°C continuous use.

Fiber Type: E Glass
 Breaking Tenacity: 1.71 gf/TEX. Std. 1.71 gf/TEX Wet
 Breaking Elongation: 4.81% Std. 4.81% Wet
 Average Stiffness: 2824.3 cn/TEX

Specific Gravity: 2.54-2.69
 Tensile Strength: 450,000-500,000 psi.
 Elastic Recovery: 100%

Effect of Heat: Will not burn; Retains 75% tensile at 343°C; Softens at 732-877°C; Melts at 1121-1182°C

Effect of Acids and Alkalis; Resistance to acids is fair. Good resistance to most alkalis.

Effect of Bleaches and Solvents: Unaffected