

Fiberglass Braided Sleeve: Premium Grade
1200°F / 648°C: Continuous Rating – Higher Temperature for Shorter Periods
DeltaGlass™ Very High Temperature Heat Resistant Braided Sleeve for Wire, Cable, Hose & Pipe / Tube protection and Personnel Burn Protection



This Braided 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.

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

Both a Heat Treated and Heat Treated with Acrylic Saturant version of this product is available – please enquire.

Braided sleeve has the ability to expand and contract a nominal amount, if expanded then the coverage of the braid is lower than if the sleeve is contracted.

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 guide, a pipe or tube at 1000°F will require a 1" thickness of fiberglass insulation.

DeltaGlass™ Very High Temperature & Heat Resistant Braided Fiberglass Sleeve - Premium Grade							
ID Size inch / mm / dash#			Part Number	ID Size inch / mm / dash#			Part Number
3/8	10	-06	S-FG-BRAID-M010-06	1 7/8"	48	-30	S-FG-BRAID-M048-30
1/2"	13	-08	S-FG-BRAID-M013-08	2"	51	-32	S-FG-BRAID-M051-32
5/8"	16	-10	S-FG-BRAID-M016-10	2 1/4"	57	-36	S-FG-BRAID-M057-36
3/4"	19	-12	S-FG-BRAID-M019-12	2 1/2"	64	-40	S-FG-BRAID-M064-40
7/8"	22	-14	S-FG-BRAID-M022-14	2 3/4"	70	-44	S-FG-BRAID-M070-44
1"	25	-16	S-FG-BRAID-M025-16	3"	76	-48	S-FG-BRAID-M076-48
1 1/4"	32	-20	S-FG-BRAID-M032-20	3 1/4"	83	-52	S-FG-BRAID-M083-52
1 3/8"	35	-22	S-FG-BRAID-M035-22	3 1/2"	89	-56	S-FG-BRAID-M089-56
1 1/2"	38	-24	S-FG-BRAID-M038-24	3 3/4"	95	-60	S-FG-BRAID-M095-60
1 3/4"	44	-28	S-FG-BRAID-M044-28	4"	102	-64	S-FG-BRAID-M102-64

DeltaGlass™ 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.

Fiber Type:	E Glass	Specific Gravity:	2.54-2.69
Breaking Tenacity:	1.71 gf/TEX. Std. 1.71 gf/TEX Wet	Tensile Strength:	450,000-500,000 psi.
Breaking Elongation:	4.81% Std. 4.81% Wet	Elastic Recovery:	100%
Average Stiffness:	2824.3 cn/TEX		

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