

KHC-500

KEVLAR INSULATING JACKET FOR SENSOR

DESCRIPTION:

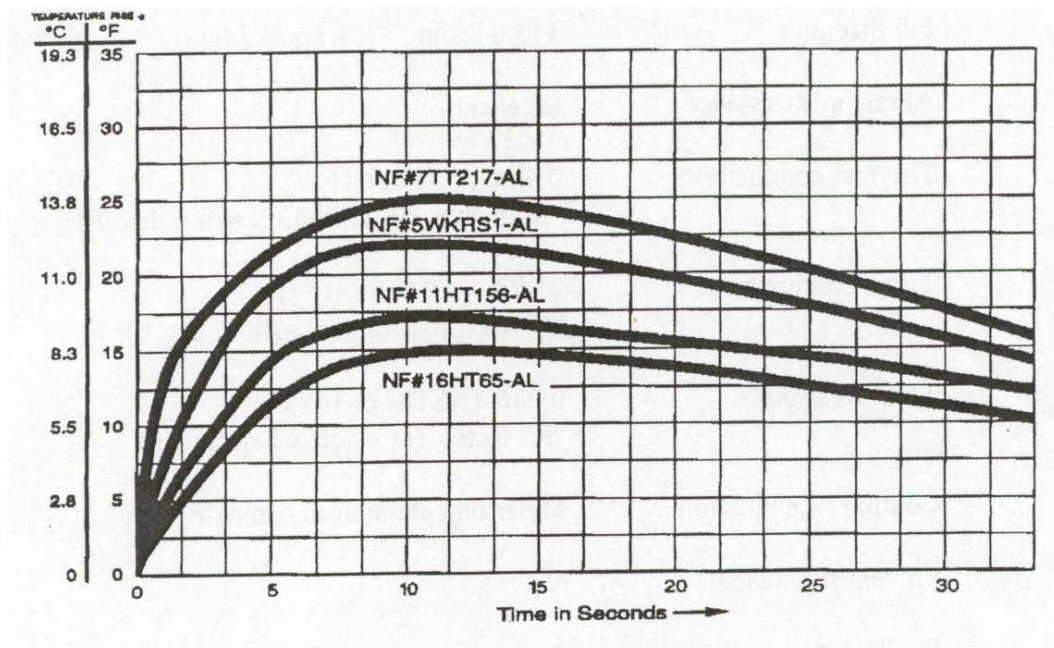
The KHC-500 is an insulating outer jacket for the ASC sensors. It is custom-made using Kevlar material, and is recommended for high ambient condition applications.

This woven Kevlar fabric of an Arimid fiber blend over a carbon core yarn aluminized one side.

It is used against intense radiant heat from bright red, yellow, or orange material at relatively short range. It is resistant to reflected heat sources and offers thermal protection to 343 °C (650 °F).



Molten iron splash heat transfer chart



SPECIFICATIONS:

■ Base fabric:	Aramid cover with "PAN" insert
■ Color / appearance	Aluminized 1 side, light pea-green reverse
■ Weave style	2/2 herringbone twill
■ Fabric weight	19.1 (649 mg / sq m)
■ Fabric thickness	1.07 mm (0.042")
■ Warp strength	100 kg / 2.54 cm (220 lbs / in)
■ Fill strength	61 kg / 2.54 cm (135 lbs / in)
■ Abrasion resistance	excellent
■ Thermal conductivity	0.645 (ASTM C-177)
■ Total conductance	"K" factor (BTU x in /hr x sqft x deg.F) 21.70 (ASTM C-177)
■ Total resistance	"C" factor (BTU x sqft x deg.F) 0.046 (ASTM C-177)
■ Coating / lamination	"R" factor (ht x sqft x deg.F/Btu) Mylar film aluminium laminate
■ Solvent resistance	n/a
■ Sunlight & age resistance	base fabric is partially UV sensitive
■ Electrical properties	n/a