



FIRE FIGHTER product page

Heat and flame resistant embroidery thread

Flame protection for uniforms, sportswear and workwear



Firefighters, sportsmen in motorsport or workers in many industries such as gas, oil or chemical are in an environment where

there is a risk of garment ignition. If fire is a potential hazard then there is an obligation for employers to ensure their em-

ployees are adequately protected by providing heat and flame resistant clothing. When such clothing requires an embroidered badge or corporate logo it is important that the embroidery thread provides the same level of fire protection as the garment itself. For such applications flame resistant threads are now widely available and must be used. When it comes to the protective properties of fabric and thread we differentiate between the terms fire resistant and flame retardant.



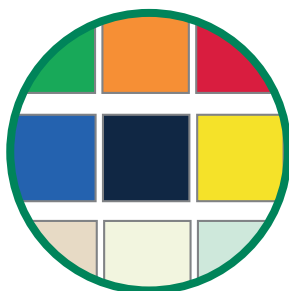
Fire Fighter is a technical flame resistant embroidery thread for professional use.

100% Aramid Fibres



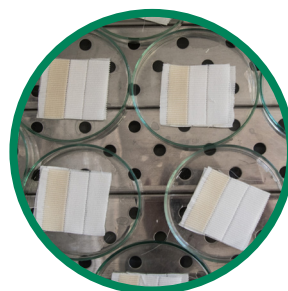
Fire Fighter is made out of 100% fire resistant Aramid fibres containing DuPonts® Nomex® and is complying to Oeko-Tex 100 standards. This flame resistant thread is designed not only to resist ignition and prevent flames from spreading but also to self-extinguish once the source of the fire is removed.

24 colours available



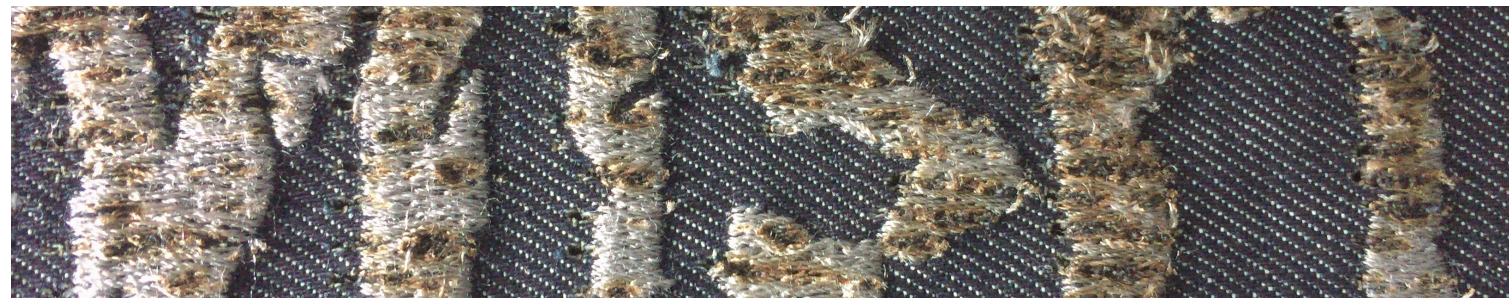
Available in 2 sizes, 2500m industrial cones and 950m MSC (mini snap cones) and 24 colours permitting you to find the right colour for your corporate design.

ISO 9641 and 15025 tested thread



Embroidery thread certified according ISO norms and many national norms, such as DIN, NF, BS, UNI, NFPA or IMO FTPC. For details please check the data sheet.

FIRE FIGHTER 40 for heat and flame resistant embroideries



FIRE FIGHTER 40 is a flame and heat resistant embroidery thread which is indispensable to motor sport clothing, workwear and protective clothing. FIRE FIGHTER is also suitable to embroider seat cushions of airplanes and wherever special safety aspects are essential. Flame resistant describes a material inherently resistant to catching fire when exposed to a flame, it does not melt or drip and will self-extinguish therefore prohibiting the spread of fire. In contrary a flame retardant thread (see Polyneon FR) set link to product page refers to a material that has been chemically treated to self-extinguish.

TIP 1



When using flame resistant threads, don't forget to ensure that the bobbin thread and your backings are also suitably flame retardant.

TIP 2



Wash at 60°C. Bleaching (max 20g/l - max. 30°C - max. 30min) is allowed as well as tumble drying at low temperature, iron at high temperature and gentle cleaning with PCE.

MADEIRA range of fire and flame resistant embroidery supplies at your disposal in the shop

FIRE FIGHTER 40
100% flame resistant Aramid



dtex 130x2 thread available as 2500m (Cone) or 950m mini cone in 24 colours

FIRE FIGHTER Bobbin Thread
100% flame resistant Aramid



Underthread black or white 10 x 5000m cone for self winding

E-ZEE Fire Fighter
Flame resistant embroidery backing



55g/m² backing for flame resistant embroideries as 100% aramid 20 cm x 50m role or 50% aramid / 50%melamine resin



Security advice for Fire Fighter flame resistant threads

Beware home testing because if you take a single strand of FIRE FIGHTER thread from the cone and ignite it, then the lubrication coating will burn off or carbonise very quickly. However, when in the form of surface embroidery, due to the Aramid content it will not ignite, melt or drip providing ultimate protection for the wearer.

