

## **3M STFF Shield**

### **Smoke, Toxicity, Flame, and Fume protection for Cable accessories**

#### **Product Application**

3M STFF Shield products are designed for use with all inline polymeric cold shrink joints up to and including 19/33(36)kV, as well as for low voltage cable abandonment applications.

The addition of the STFF Shield will allow the installation of standard joints and accessories in areas such as underground rail, tunnels, and any application where fire resistant, halogen free, or low toxicity products are required to be installed.



#### **Product Features**

- Made up of layers of woven glass fabric, and high temperature silica to enable flame resistance, and prevention of smoke, and toxic fumes.
- Halogen Free.
- Manufactured in bespoke sizes enabling compatibility with a wide range of 3M Cable accessories.
- Easily secured in place with integrated fastening straps, no need for cable ties or tools
- Available as a sleeve design for covering cable joints, or a closed end covering for cable abandonment applications
- Available as a wrap around design for retrospective fitting around cables already installed

#### **Product Selection**

Please contact us to discuss your requirements. STFF products are made to order, tailored for each individual application, generally as part of the joint design.

A range of LV Cold Shrink Joints complete with pre-sized STFF Sleeve are available, product family LCx-STFFx.

#### **Customer Approvals**

Network Rail PADS approved, Certificate number PA05/04396

London Underground approved, Register number 1106

## Performance Tests

3M STFF Shields have been tested to IEC-60331-2 and IEC-60332-1-2 when used to protect LV Cold Shrink Joints, and LV Resin Joints. Please contact us for more details about these tests.

3M STFF Shields have been tested to London Underground Standard 1-085.

Smoke Emission and Toxic Fume Emission testing has been carried out following the test methodology for BS EN50268-2:2000 and BS 6853:1999 Annex B.2.

3M STFF Shield materials have been tested according to BS476-6 (Fire propagation Index) as well as to BS476-7 (Lateral spread of flame)

*Please note that where STFF Fire Resistant shields are being installed, because of the importance of the application, we recommend a regular inspection of the product to ensure that the product shows no sign of degradation due to external mechanical / chemical or Environmental damage. In cases where damage has occurred, our recommendation is for the product to be replaced to ensure optimum protection continuity.*

## Legal Requirements

3M STFF Shields comply with EU directive 2002/95/EC (RoHS) and EU regulation 1907/2007/EC (REACH)

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