

## **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 several sizes enabling compatibility with a wide range of 3M Cable accessories.
- Easily secured in place with Stainless Steel Cable Ties (Gun required)
- 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**

Development work is ongoing for the STFF range of kits for applications described above as well as further options. Please contact your 3M Sales Executive for details of which product combinations are available now.

#### **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 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)

## **Installation**

The STFF Sleeve designs are supplied only as part of the cable joint / accessory kit from 3M. Full installation instructions are supplied with each kit.

## **Legal Requirements**

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

3M and Scotchcast are trademarks of 3M Company

### **Important Notice**

All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized office of the Seller.

The statements contained herein are made in lieu of all warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed. SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY; INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY; FOR ANY INJURY OR FOR ANY DIRECT; INDIRECT; INCIDENTAL OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS.

### **Electrical Markets Division**

#### **3M United Kingdom PLC**

##### **Sales Office**

PO Box 393

Bedford MK41 0YE

Telephone: 0870 609 4639

Fax: 01234 229 433

#### **3M Ireland Ltd**

##### **Sales Office**

The Iveagh Building, The Park,  
Carrickmines, Dublin 18, Ireland

Telephone: (01) 800 812 732

Fax: 353 1 280 3509

#### **3M United Kingdom PLC**

##### **Head Office**

3M Centre, Cain Road  
Bracknell, Berkshire RG12 8HT

Telephone: 01344 858 000

Fax: 01344 858 758