

# Cotton Calico

Perfect For: • Decorative/Scenic • Film & TV • Stage



**J&C Joel** 

the inspiration behind the performance

# Contents

## Composition & Care

183 cm 3

## Fire Certificate

BS5867 Part 2 Type B 4

## TECHNICAL



NDFR

### Non Durably Flame Retardant

chemically treated with a water solution and if wetted in any way should be retreated



DFR

### Durably Flame Retardant

chemically treated to withstand a number of cleanings



IFR

### Inherently Flame Retardant

woven from fibres with a high flame retardancy



FR

### Flame Retardant

chemically treated to an individual specification



NOT FR

**Not Flame Retardant** no flame retardant treatment



Confirmation that the fabric meets one or more flame retardant standards

**BS5867** BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

**BS5852** BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

**BS4790** BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)

**EN13773: 2003** Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

**TL 1080-0002/8** German Military Specification for horizontally tested materials

**EN14041** Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

**BS7905-1:2001** Lifting equipment for performance, broadcast and similar applications.

## ATTRIBUTES



Approx roll length of material in linear metres (m) & feet (ft)



Approx width of material in centimetres (cm) & inches (")



Approx weight in grams per metre squared (g/m<sup>2</sup>)



Approx thickness in (mm)

**M1, M2, M4** Conforms to French Fire Regulations

**B1, B2** Conforms to German Fire Regulations DIN 4102

**IMO** Conforms to International Maritime Organisation regulations

**Classe Uno** Meets Italian Fire Regulations

**BS EN13501-1** Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests






**CFC EN ISO 9239-1** Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source


**NFPA 701** NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

**EN9239-1** Reaction to fire tests – horizontal surface spread of flame on floor covering systems

**DIN EN1021** Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture

To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.


Fabric	<b>Flame Retardancy</b>	NDFR
	<b>Fire Certification</b>	BS5867 Part 2 Type B
	<b>Brand Name (and Manufacturer)</b>	J&C Joel Ltd.
	<b>Material (Blending Ratio)</b>	100% Cotton
	<b>Construction of Fabric</b>	Plain Weave
Chemicals	<b>Surface Treatments</b>	Washed & Flameproofed
	<b>Brand Name of Flame Retardant Chemicals</b>	Organo Phosphate Compound
	<b>Chemical name of Flame Retardant Chemicals</b>	Organo Phosphate Compound
	<b>Process of Flame Retardant Chemicals</b>	Immersion
Care	<b>Information</b>	<p>Non-Durably Flame Retardant. This means that the fabric is chemically treated and if wet in any way should be re-treated to meet the flammability requirements of BS5867 Part 2 Type B.</p> <p>Therefore, the cloth will not withstand wet cleaning and should be re-flame proofed whenever wet. The cloth can be professionally dry cleaned using the correct chemical process.</p> <p>This fabric is not pre-shrunk.</p>
	<b>Laundering Treatment</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Dry Clean Only</div> <div style="text-align: center;"> Do Not Wash</div> <div style="text-align: center;"> Do Not Bleach</div> <div style="text-align: center;"> Do Not Iron</div> <div style="text-align: center;"> Do Not Tumble Dry</div> </div>
<b>Notes</b>		




Fire Rating:  
NDFR



Approx Roll Length:  
50m / 164ft



Width:  
183cm / 72"



Weight:  
190 g/m<sup>2</sup>



Fire Certification:  
BS5867



Colours Available

For further information please contact our sales team [sales@jcjoel.com](mailto:sales@jcjoel.com)

# Fire Test Certificate – Specimen

**Fabric:** Cotton Calico  
**Type:** BS5867 Part 2 Type B



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Website: [www.bttg.co.uk](http://www.bttg.co.uk)

Date: 01 August 2017  
Our Ref: 53519-35  
Your Ref: -  
Page: 1 of 3

Client: J. & C. Joel Limited  
Corporation Mill  
Corporation Street  
Sowerby Bridge  
Halifax  
HX6 2QQ

Job Title: Surface Ignition Of Curtains & Drapes (Type B)

Client's Order No: -

Date of Receipt: 19 May 2017  
Date of Test Start: 08 June 2017

Description of Sample(s): One sample identified as follows was received for testing:  
Cotton Calico, stated to be NDFR

Work Requested: We were asked to make the following test:  
BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds



1066

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A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.  
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# Fire Test Certificate – Specimen

**Fabric:** Cotton Calico  
**Type:** BS5867 Part 2 Type B

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J. & C. Joel Limited

Sample was identified as follows:

Cotton Calico, stated to be NDFR

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Leeds, LS16 6QL, UK.  
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Email: [info@bttg.co.uk](mailto:info@bttg.co.uk)  
Website: [www.bttg.co.uk](http://www.bttg.co.uk)

Date: 01 August 2017  
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Page: 2 of 3

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

#### Pre-Treatment

No water treatment required as the sample was stated to be non durable flame retardant.

#### Conditioning

The test specimens were conditioned for at least 24 hours in the standard atmosphere of  $60 \pm 5$  % relative humidity (R.H.) and  $20 \pm 2$  °C.

#### Testing


Three specimens from both length and width were tested in accordance with BS EN ISO 15025: Procedure A (surface ignition):2002. The sample was tested at 20°C and 60% relative humidity (R.H.).

Each specimen was subjected to an applied flame using propane and a 15 second flame application time. The results obtained (shown in the table below) were assessed according to the requirements of BS 5867: Part 2:2008 (2015).

Test results relate only to the sample tested.

The results for all tests are given in the table(s) on the following page(s).

Reported by:   
J Coleman  
Fire Technician

Countersigned By:   
P Doherty  
Operational Head

Enquiries concerning this report should be addressed to Customer Services.



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Page: 3 of 3

J. & C. Joel Limited

## RESULTS

Sample Ref: Cotton Calico, stated to be NDFR

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds  
Testing as received.

Specimen No.	Length			Width		
	1	2	3	4	5	6
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris separated	No	No	No	No	No	No

### Requirements

Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, if the second 6 specimens all pass the result is a pass.

Result: Pass

### Conclusion

The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 – the fabric must be clearly labelled 'If wetted in any way it is essential to re-treat the fabric to meet flammability requirements'.

The material should be identified with the manufacturers name, trademark or other identifying mark, the statement 'Flammability complies with the requirements of BS 5867: Part 2, Type B and instructions of any special precautions to be taken concerning care (including cleansing) of the curtain, drape or window blind to be manufactured from the fabric, preferably using an appropriate care labelling symbol in accordance with BS EN 23758 and taking account of the pre-treatment used in this test and the requirements of Clause 4 of BS 5867: Part 2: 2008 (2011). If the fabric is unsuitable for cleansing, this shall be stated.

### Uncertainty Budget

There is no uncertainty budget associated with BS 5867: Part 2: Type B as no measurements are determined, the pass/fail criteria is assessed visually.



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