

**SRI LANKA STANDARD 767 : 1986**

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**SPECIFICATION FOR  
PLAIN WOVEN COTTON SHIRTING  
(POWERLOOM)**

**SRI LANKA STANDARDS INSTITUTION**

# SPECIFICATION FOR PLAIN WOVEN COTTON SHIRTING (POWERLOOM)

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**FOREWORD**

This Sri Lanka Standard was authorized for adoption and publication by the Council of the Sri Lanka Standards Institution on 1986-12-17, after the draft, finalized by the Drafting Committee on Cotton Shirting, had been approved by the Textile Divisional Committee.

Some commonly used constructional details for powerloom cotton shirting are given in Appendix A as a guidance to the manufacturers.

All standard values given in this specification are in SI units.

For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing the results of a test or analysis, shall be rounded off in accordance with CS 102. The number of significant places retained in the rounded off value should be the same as that of the specified value in this specification.

In the preparation of this specification, valuable assistance derived from the related publications of the Indian Standards Institution, Standards Institution of Malaysia and American Society for Testing and Materials is gratefully acknowledged.

**1 SCOPE**

This specification prescribes requirements, methods of sampling and tests for bleached, mercerized, dyed, printed, striped or checked cotton shirting.

**2 REFERENCES**

- |     |    |   |
|-----|----|---|
| SLS | 41 | Determination of the number of threads per centimetre in woven fabrics (First revision) |
| CS  | 42 | Determination of mass per unit length and per unit area of woven or knitted fabrics     |

- CS 43 Determination of breaking load and extension of strips of woven textile fabric
- CS 44 Determination of the count of yarn removed from fabric, free from added matter
- SLS 45 Determination of length of woven fabric (First revision)
- SLS 46 Determination of width of woven fabric (First revision)
- CS 47 Method for shrinkage of fabrics - cold water immersion test
- CS 55 Determination of colour fastness of textile materials to washing at 95 °C for 30 minutes (Test 4)
- CS 62 Determination of colour fastness of textile materials to daylight
- CS 63 Determination of colour fastness of textile materials to rubbing
- CS 67 Determination of colour fastness of textile materials to perspiration
- CS 86 Determination of pH value of aqueous extracts of textile materials
- CS 87 Determination of scouring loss in grey and finished cotton textile materials
- CS 89 Determination of bow and skewness in woven fabric
- CS 102 Presentation of numerical values
- SLS 137 Grey cotton yarn  
Part 1 Powerloom (First revision)
- CS 203 Determination of colour fastness of textile materials to organic solvents
- SLS 428 Random sampling methods

### 3 REQUIREMENTS

#### 3.1 General requirements

##### 3.1.1 Yarn

3.1.1.1 Cotton yarn conforming to SLS 137:Part 1 is suitable for use in the manufacture of the cloth.

##### 3.1.2 Cloth

3.1.2.1 The cloth shall be of plain weave.

3.1.2.2 The cloth when visually examined shall be reasonably free from flaws.

#### 3.2 Scouring loss

The scouring loss of the cloth shall not exceed 2 per cent when tested by the method prescribed in CS 87.