**SRI LANKA STANDARD 987 : PART 1 : 2010**

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**SPECIFICATION FOR**

# PVC INSULATED ELECTRIC CABLES

**(FIRST REVISION)**

**PART 1 : ARMOURED CABLES FOR VOLTAGES OF 600/1 000V AND 1 900/ 3 300V**

**SRI LANKA STANDARDS INSTITUTION**

**Sri Lanka Standard**

# SPECIFICATION FOR PVC INSULATED ELECTRIC CABLES
**(First revision)**
**Part 1: Armoured cables for voltages of 600/1 000 V and 1 900 /3 300V**

**SLS 987 : Part 1 : 2010**

**Gr. 19**


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# SPECIFICATION FOR PVC INSULATED ELECTRIC CABLES
***(First Revision)***
## Part 1: Armoured cables for voltages of 600/1 000 V and 1 900 /3 300V

## FOREWORD

This standard was approved by the Sectoral Committee on Electric Cables and Conductors and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2010-10-15

**SLS 987 : 2010:** Specification for PVC insulated electric cables, is the first revision of **SLS 987:1992** and this is published in two parts as follows:

Part 1 : PVC insulated armoured cables for voltages of 600/1 000 V and 1 900/ 3 300 V

Part 2 : PVC insulated non-armoured cables for voltage upto and including of 600 /1 000 V

This is the Part 1 of the standard and it specifies requirements, dimensions and methods of test of PVC insulated armoured cables.

Appendix A,B,C, K, M and N are informative.
Appendix D, E, F,G, H, J and L are normative.

For the purpose of deciding whether a particular requirement of the standard is complied with the final value, observed or calculated, expressing the results of a test or an analysis shall be rounded off in accordance with **SLS 102**. The number of figures to be retained in the rounded off value shall be same as that of the specified value in the standard.

In the preparation of this standard the assistance derived from **BS 6346 : 1997**: Electric cables - PVC insulated, armoured cables for voltages of 600/1 000 V, and 1 900 /3 300 V, including Amd. No.1: 2004, published by British Standard Institution is gratefully acknowledged.

## 1. SCOPE

This Sri Lanka Standard specifies requirements for construction and describes methods of test for armoured cable with PVC insulation of rated voltages 600/1 000 V and 1 900/3 300 V. Cables specified in this standard are intended for use in fixed installations in industrial areas, buildings and similar applications.

The insulation and other components are suitable to permit operation of the cables at a maximum sustained conductor temperature of 70 °C and for a maximum short-circuit conductor temperature of 160 °C for conductor sizes up to and including 300 $mm^2$ and 140 °C for conductor sizes greater than 300 $mm^2$.