

*Indian Standard*  
**SPECIFICATION FOR  
FLEXIBLE CABLES FOR MINERS' CAP-LAMPS**

**0. FOREWORD**

**0.1** This Indian Standard ( First Revision ) was adopted by the Indian Standards Institution on 3 July 1984, after the draft finalized by the Power Cables Sectional Committee had been approved by the Electrotechnical Division Council.

**0.2** Miners' cap-lamp consists of a number of components; such as battery with protective cover, cable and head piece with light source. The cables covered in this standard are used to connect the head piece to the battery. This standard will be of help in the purchase of original equipment as well as replacement of cables, wherever necessary.

**0.3** This standard was originally published in 1964. This revision has been brought out to take into account the development since then and to make reference to Indian Standards on conductor and elastomer insulation of cables.

**0.4** In preparing this standard, assistance has been derived from BS : 4945-1973 "Miners' cap-lamp assemblies ( incorporating lead-acid type batteries )", issued by the British Standards Institution.

**0.5** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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**SECTION 1 GENERAL**

**1. SCOPE**

**1.1** This standard covers the requirements for the flexible cables for miners' cap-lamps.

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\*Rules for rounding off numerical values ( *revised* ).