

(PREVIEW)

*Indian Standard*  
SPECIFICATION FOR  
SILVER COATED COPPER WIRE

0 . F O R E W O R D

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 15 June 1976, after the draft finalized by the Cables, Wires and Wave-guides for Telecommunication Equipment Sectional Committee had been approved by the Electronics and Telecommunications Division Council.

**0.2** This standard covers the requirements and methods of tests for silver coated round copper wire for use in coils and cables employed in electronic and telecommunication equipment.

**0.3** Silver coated copper wire find use in coils used at radio frequency and also as conductors in RF cables. As the silver coating on the base metal is expected to meet certain specific requirements, such as conductivity and adequate thickness so as to support the radio frequency current, necessity for specifying the performance requirements of silver coated copper wire has been felt.

**0.4** While preparing this standard assistance has been derived from ASTM B 298-74 ' Silver-coated soft or annealed copper wire' issued by the American Society for Testing and Materials.

**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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**1. SCOPE**

**1.1** This standard covers requirements and method of tests for silver coated round copper wire for use in coils and cables employed in electronic and telecommunication equipment.

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

†Glossary of terms for electrical cables and conductors.