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Communication cables - Part 2-36: Common design rules and construction - Crosslinked Silicone rubber insulation compound

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Communication cables - Part 2-36: Common design rules and construction - Crosslinked Silicone rubber insulation compound

Câbles de communication - Partie 2-36: Règles de conception communes et construction - Mélange de caoutchouc silicone réticulé pour enveloppes isolantes

Kommunikationskabel - Teil 2-36: Gemeinsame Regeln für Entwicklung und Konstruktion - Vernetzte Silikongummi-Isoliermischung

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European foreword

This document (EN 50290-2-36:2016) has been prepared by CLC/TC 46X, "Communication cables".

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2017-07-22
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1 Scope

This Part 2-36 of EN 50290 gives specific requirements for crosslinked Silicone rubber compound (SiR) to be used for the insulation of fire resistant cables.

It is essential to read this European Standard in conjunction with Part 2-20 of EN 50290 and other applicable product standards.

Using raw material and type test data as outlined in this standard, the raw material supplier will have sufficient data to demonstrate compliance and warrant that the material is suitable for the specified application.

This part 2-36 of EN 50290 describes the compound type as given in Table 1.

Table 1 — Crosslinked SiR insulation compound

Type	Maximum operating temperature
SiR	180 °C

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50290-2-20, *Communication cables — Part 2-20: Common design rules and construction — General*

EN 60684-2, *Flexible insulating sleeving — Part 2: Methods of test (IEC 60684-2)*

EN 60754-1, *Test on gases evolved during combustion of materials from cables — Part 1: Determination of the halogen acid gas content (IEC 60754-1)*

EN 60754-2, *Test on gases evolved during combustion of materials from cables — Part 2: Determination of acidity (by pH measurement) and conductivity (IEC 60754-2)*

EN 60811-401, *Electric and optical fibre cables — Test methods for non-metallic materials — Part 401: Miscellaneous tests — Thermal ageing methods — Ageing in an air oven (IEC 60811-401)*

EN 60811-501, *Electric and optical fibre cables — Test methods for non-metallic materials — Part 501: Mechanical tests — Tests for determining the mechanical properties of insulating and sheathing compounds (IEC 60811-501)*

EN 60811-507, *Electric and optical fibre cables — Test methods for non-metallic materials — Part 507: Mechanical tests - Hot set test for cross-linked materials (IEC 60811-507)*

EN 60811-606, *Electric and optical fibre cables — Test methods for non-metallic materials — Part 606: Physical tests — Methods for determining the density (IEC 60811-606)*