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REDLINE VERSION

Elinstallationer i fartyg – Del 360: Material i isolering och mantlar för kraftkablar, styrkablar och tele- och datakablar för användning i fartyg och offshore-enheter

Electrical installations in ships –

Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables

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IEC 60092-360

Edition 2.0 2021-01
REDLINE VERSION

INTERNATIONAL STANDARD



**Electrical installations in ships –
Part 360: Insulating and sheathing materials for shipboard and offshore units,
power, control, instrumentation and telecommunication cables**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 47.020.60

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CONTENTS

FOREWORD	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Cross-linked insulating compounds	9
4.1 General	9
4.2 Electrical characteristics	10
4.3 Mechanical characteristics	10
5 Cross-linked sheathing compounds	13
5.1 General	13
5.2 Mechanical characteristics	13
6 Thermoplastic sheathing compounds	15
6.1 General	15
6.2 Mechanical characteristics	15
7 Additional optional properties of sheathing compounds	17
7.1 General	17
7.2 Test requirements	17
Annex A (normative) Determination of hardness of HEPR insulation	19
A.1 Test piece	19
A.2 Test procedure	19
A.2.1 General	19
A.2.2 Surfaces of large radius of curvature	19
A.2.3 Surfaces of small radius of curvature	20
A.2.4 Conditioning and test temperature	20
A.2.5 Number of measurements	21
Annex B (normative) Determination of the elastic modulus of HEPR insulation	22
B.1 Procedure	22
B.2 Requirements	22
Annex C (normative) Procedure for enhanced hot oil immersion test for sheaths	23
C.1 Sampling and preparation of the test pieces	23
C.2 Determination of the cross-sectional area of the test piece	23
C.3 Oil to be used	23
C.4 Procedure	23
C.5 Expression of results	23
C.6 Requirements	24
Annex D (normative) Procedure for drilling fluid immersion test for sheaths	25
D.1 Drilling fluid resistance test	25
D.2 Drilling fluid to be used Test fluids	25
D.3 Procedure	25
D.4 Expression of results	26
D.5 Requirements	26
Figure A.1 – Testing surfaces of large radius of curvature	19
Figure A.2 – Testing surfaces of small radius of curvature	20

Table 1 – Categories and types of materials	6
Table 2 – Types of cross-linked insulating compounds.....	9
Table 3 – Electrical requirements of insulation compounds	10
Table 4 – Test requirements for cross-linked elastomeric insulating compounds	11
Table 5 – Types of cross-linked sheathing compound	13
Table 6 – Test requirements for cross-linked sheathing compounds.....	14
Table 7 – Types of thermoplastic sheathing compound	15
Table 8 – Test requirements for thermoplastic sheathing compounds.....	16
Table 9 – Test requirements for sheathing compounds with enhanced oil resistance properties	17
Table 10 – Test requirements for sheathing compounds with drilling fluids resistance properties (test for mud resistance).....	18

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL INSTALLATIONS IN SHIPS –

Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 60092-360:2014. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 60092-360 has been prepared by Subcommittee 18A: Electric cables for ships and mobile and fixed offshore units, of IEC Technical Committee 18: Electrical installations of ships and of mobile and fixed offshore units.

This second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

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ELECTRICAL INSTALLATIONS IN SHIPS –

Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables

1 Scope

This part of IEC 60092 specifies the requirements for electrical, mechanical and particular characteristics of insulating and sheathing materials intended for use in shipboard and fixed and mobile offshore unit power, control, instrumentation and telecommunication cables.

The different insulating and sheathing materials have been divided into three categories as listed in Table 1.

Table 1 – Categories and types of materials

Title	Compounds included
Cross-linked insulating compounds	EPR; HEPR; XLPE; S 95; HF 90
Cross-linked sheathing compounds	SE; SH; SHF 2
Thermoplastic sheathing compounds	SHF 1; ST 2

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.

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IEC 60811-202:2012/AMD1:2017

⁴~~To be published.~~

IEC 60811-401:2012, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 401: Miscellaneous tests – Thermal ageing methods – Ageing in an air oven*
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ISO 1817, *Rubber, vulcanised or thermoplastic – Determination of the effect of liquids*

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Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables

Denna svenska standard innehåller den engelska texten i nedan angiven IEC-publikation, utarbetad inom International Electrotechnical Commission, IEC:

- **IEC 60092-360, Second edition, 2020 - Electrical installations in ships - Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables**

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Tidigare fastställd svensk standard SS-IEC 60092-360, utgåva 1, 2017, gäller ej fr o m 2021-12-15.

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CONTENTS

FOREWORD	4
1 Scope	6
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4 Cross-linked insulating compounds	9
4.1 General	9
4.2 Electrical characteristics	9
4.3 Mechanical characteristics	10
5 Cross-linked sheathing compounds	13
5.1 General	13
5.2 Mechanical characteristics	13
6 Thermoplastic sheathing compounds	15
6.1 General	15
6.2 Mechanical characteristics	16
7 Additional optional properties of sheathing compounds	17
7.1 General	17
7.2 Test requirements	17
Annex A (normative) Determination of hardness of HEPR insulation	19
A.1 Test piece	19
A.2 Test procedure	19
A.2.1 General	19
A.2.2 Surfaces of large radius of curvature	19
A.2.3 Surfaces of small radius of curvature	20
A.2.4 Conditioning and test temperature	20
A.2.5 Number of measurements	21
Annex B (normative) Determination of the elastic modulus of HEPR insulation	22
B.1 Procedure	22
B.2 Requirements	22
Annex C (normative) Procedure for enhanced hot oil immersion test for sheaths	23
C.1 Sampling and preparation of the test pieces	23
C.2 Determination of the cross-sectional area of the test piece	23
C.3 Oil to be used	23
C.4 Procedure	23
C.5 Expression of results	23
C.6 Requirements	24
Annex D (normative) Procedure for drilling fluid immersion test for sheaths	25
D.1 Drilling fluid resistance test	25
D.2 Test fluids	25
D.3 Procedure	25
D.4 Expression of results	25
D.5 Requirements	26
Figure A.1 – Testing surfaces of large radius of curvature	19
Figure A.2 – Testing surfaces of small radius of curvature	20

Table 1 – Categories and types of materials	6
Table 2 – Types of cross-linked insulating compounds.....	9
Table 3 – Electrical requirements of insulation compounds	10
Table 4 – Test requirements for cross-linked elastomeric insulating compounds	11
Table 5 – Types of cross-linked sheathing compound	13
Table 6 – Test requirements for cross-linked sheathing compounds.....	14
Table 7 – Types of thermoplastic sheathing compound	16
Table 8 – Test requirements for thermoplastic sheathing compounds.....	16
Table 9 – Test requirements for sheathing compounds with enhanced oil resistance properties	18
Table 10 – Test requirements for sheathing compounds with drilling fluids resistance properties (test for mud resistance).....	18

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