

Irish Standard I.S. EN 50264-3-1:2008

Railway applications - Railway rolling stock power and control cables having special fire performance -- Part 3-1: Cables with crosslinked elastomeric insulation with reduced dimensions - Single core cables

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English version

Railway applications Railway rolling stock power and control cables having special fire performance Part 3-1: Cables with crosslinked elastomeric insulation with reduced dimensions Single core cables

Applications ferroviaires Câbles de puissance et de contrôle
à comportement au feu spécifié
pour matériel roulant ferroviaire Partie 3-1: Câbles à enveloppe isolante
réticulée de faibles dimensions Câbles monoconducteurs

Bahnanwendungen -Starkstrom- und Steuerleitungen für Schienenfahrzeuge mit verbessertem Verhalten im Brandfall -Teil 3-1: Leitungen mit vernetzter elastomerer Isolierung mit reduzierten Abmessungen -Einadrige Leitungen

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European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by Working Group 12, Railway cables, of the Technical Committee CENELEC TC 20, Electric cables, as part of the overall programme of work in the Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50264-3-1 on 2008-03-01.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement

(dop) 2009-03-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2011-03-01

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Introduction

The EN 50264 series covers cables, based upon halogen free materials, for use in railway rolling stock. It is divided into 5 parts under the generic title "Railway applications - Railway rolling stock power and control cables having special fire performance".

- Part 1 General requirements;
 Part 2-1 Cables with crosslinked elastomeric insulation Single core cables;
 Part 2-2 Cables with crosslinked elastomeric insulation Multicore cables;
 Part 3-1 Cables with crosslinked elastomeric insulation with reduced dimensions Single core cables:
- Part 3-2 Cables with crosslinked elastomeric insulation with reduced dimensions Multicore cables.

Information regarding selection and installation of cables, including current ratings can be found in EN 50355 (Guide to use) and EN 50343 (Rules for installation of cabling). The procedure for selection of cable cross-sectional area, including reduction factors for ambient temperature and installation type, is described in EN 50343.

Special test methods referred to in EN 50264 are given in EN 50305.

The cables in Part 3-1 may also be used in EN 50264-3-2 to build up multicore sheathed cables.

Part 1, "General requirements", contains a more extensive introduction to EN 50264, and should be read in conjunction with this Part 3-1.



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