



BSI Standards Publication

Communication cables -

Part 2-23: Common design rules and construction — Polyethylene insulation for multi-pair cables used in access telecommunication networks: Outdoor cables

National foreword

This British Standard is the UK implementation of EN 50290-2-23:2013. It supersedes BS EN 50290-2-23:2002 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/46, Cables, wires and waveguides, radio frequency connectors and accessories for communication and signalling.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English version

**Communication cables -
Part 2-23: Common design rules and construction -
Polyethylene insulation for multi-pair cables used in access
telecommunication networks: Outdoor cables**

Câbles de communication -
Partie 2-23: Règles de conception
communes et construction -
Polyéthylène pour enveloppes isolantes

Kommunikationskabel -
Teil 2-23: Gemeinsame Regeln für
Entwicklung und Konstruktion –
Polyethylen-Isoliermischungen für
vielpaarige Kabel in
Telekommunikationsnetzwerken:
Außenkabel

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Europäisches Komitee für Elektrotechnische Normung

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Foreword

This document (EN 50290-2-23:2013) has 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) 2014-09-16
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-09-16

This document supersedes EN 50290-2-23:2001.

EN 50290-2-23:2013 includes the following significant technical changes with respect to EN 50290-2-23:2001:

- The document has been entirely restructured.
- The main change is the introduction of the new Table 1 for the test to be performed on granules.

This document should be read in conjunction with Part 2-20 of EN 50290, the product standard EN 50407 (all parts) and other applicable product standards.

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

EN 50290-2, *Communication cables*, is divided into the following sub-parts:

- *Part 2-1: Common design rules and construction;*
- *Part 2-2: Common design rules and construction — Polyethylene insulation for multi element metallic data cables for indoor application [currently at Enquiry stage];*
- *Part 2-3: Common design rules and construction — Polyethylene insulation for coaxial cables [currently at Enquiry stage];*
- *Part 2-4: Common design rules and construction — Polypropylene insulation for coaxial cables [currently at Enquiry stage];*
- *Part 2-20: Common design rules and construction — General;*
- *Part 2-21: Common design rules and construction — PVC insulation compounds;*
- *Part 2-22: Common design rules and construction — PVC sheathing compounds;*
- *Part 2-23: Common design rules and construction — PE insulation [the present document];*