PD IEC/TR 62901:2016

BSI Standards Publication

# Guidance for the selection of drop cables

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## National foreword

This Published Document is the UK implementation of IEC/TR 62901:2016.

The UK participation in its preparation was entrusted by Technical Committee GEL/86, Fibre optics, to Subcommittee GEL/86/1, Optical fibres and cables.

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

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Published by BSI Standards Limited 2016

ISBN 978 0 580 85067 7
ICS 33.180.10

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This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 April 2016.

### Amendments/corrigenda issued since publication

| Date | Text affected |
|---|---|

IEC TR 62901

Edition 1.0 2016-03

# TECHNICAL REPORT

colour inside

## Guidance for the selection of drop cables

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 33.180.10

ISBN 978-2-8322-3235-4

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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# GUIDANCE FOR THE SELECTION OF DROP CABLES

## FOREWORD

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IEC TR 62901, which is a Technical Report, has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

The text of this technical report is based on the following documents:

| Enquiry draft | Report on voting |
|---|---|
| 86A/1676/DTR | 86A/1707/RVC |

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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# GUIDANCE FOR THE SELECTION OF DROP CABLES

## 1 Scope

This Technical Report defines the term "drop cable", describes the application spaces and the performance requirements as a consequence of the different applications. Cable design options which result from specific applications which are not yet described in the existing product specifications will be explained.

This technical report also gives some guidance on cable testing with focused attention on cable performance requirements which are not covered by existing standards yet.

This technical report is not intended to be used as a product standard.

## 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.

None

## 3 Terms, definitions and abbreviations

### 3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

**3.1.1**
**drop cables**
cables closing the gap between distribution cables (starting at the Network Access Point or NAP) and the single user´s home (Multi Dwelling Units or MDUs), or other premises

Note 1 to entry: Drop cables are deployed in aerial, in duct, direct-buried, on facades as well as indoor/outdoor cables.

Note 2 to entry: Drop cables end either outside the building or inside the building. Therefore, often so-called indoor/outdoor cables are needed to provide the appropriate fire performance.

Note 3 to entry: The Network access point (NAP) or Access Point is connected to the user´s house by aerial drop cables or underground drop cables, as shown in Figure 1.