



BSI Standards Publication

## Information technology – Generic cabling for customer premises

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Part 9907: Specifications for direct attach cabling

## National foreword

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

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## TECHNICAL REPORT

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**Information technology – Generic cabling for customer premises –  
Part 9907: Specifications for direct attach cabling**

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## INFORMATION TECHNOLOGY – GENERIC CABLING FOR CUSTOMER PREMISES –

### Part 9907: Specifications for direct attach cabling

#### FOREWORD

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ISO/IEC TR 11801-9907, which is a Technical Report, was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

The list of all currently available parts of the ISO/IEC 11801 series, under the general title *Information technology – Generic cabling for customer premises*, can be found on the IEC Website.

The text of this Technical Report is based on the following documents:

DTR	Report on voting
JTC1-SC25/2841/DTR	JTC1-SC25/2863/RVDTR

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

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

## INTRODUCTION

This document provides definitions and examples of direct attach cabling. It provides performance specifications for Classes D, E, E<sub>A</sub>, F, F<sub>A</sub>, I and II direct attach cabling that can also be used to verify terminating connectors. Performance verification for direct attach cabling will be specified in the second edition of ISO/IEC 14763-4.

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# INFORMATION TECHNOLOGY – GENERIC CABLING FOR CUSTOMER PREMISES –

## Part 9907: Specifications for direct attach cabling

### 1 Scope

This part of ISO/IEC 11801, which is a Technical Report, provides definitions for, and examples of, direct attach cabling configurations.

This document provides performance specifications for Classes D, E, E<sub>A</sub>, F, F<sub>A</sub>, I, and II direct attach cabling by reference to ISO/IEC 11801-1.

Informative limits for Class I direct attach cabling to support 5 m short reach mode application according to ISO/IEC/IEEE 8802-3:2017/AMD3, i.e. 25GBASE-T and 40GBASE-T, are provided in Annex A.

Test methods will be provided in the second edition of ISO/IEC 14763-4.

NOTE ISO/IEC 14763-4 is the test method for End to End (E2E) link. It can be also used for direct attach cabling. Test methods for Classes E<sub>A</sub>, F, F<sub>A</sub>, I, II will be provided in the second edition of ISO/IEC 14763-4.

Direct attach cabling connects two pieces of equipment, it has connectors at each end, and no intermediate connecting hardware.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 11801-1, *Information technology – Generic cabling for customer premises – Part 1: General requirements*

### 3 Terms, definitions, abbreviated terms and symbols

#### 3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 11801-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

##### 3.1.1

##### **direct attach cabling**

cable with free connectors at each end, and with no intermediate connecting hardware, that connects two pieces of equipment