

BS EN 61274-1:2012



BSI Standards Publication

Fibre optic interconnecting devices and passive components — Adaptors for fibre optic connectors

Part 1: Generic specification

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National foreword

This British Standard is the UK implementation of EN 61274-1:2012. It is identical to IEC 61274-1:2011. It supersedes BS EN 61274-1:2008 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/86, Fibre optics, to Subcommittee GEL/86/2, Fibre optic interconnecting devices and passive components.

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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Compliance with a British Standard cannot confer immunity from legal obligations.

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EUROPEAN STANDARD
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EN 61274-1

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Supersedes EN 61274-1:2008

English version

**Fibre optic interconnecting devices and passive components -
Adaptors for fibre optic connectors -
Part 1: Generic specification
(IEC 61274-1:2011)**

Dispositifs d'interconnexion et composants
passifs à fibres optiques -
Raccords de connecteurs de fibres
optiques -
Partie 1: Spécification générique
(CEI 61274-1:2011)

Lichtwellenleiter -
Verbindungselemente und passive
Bauteile -
Kupplungen für Lichtwellenleiter-
Steckverbinder -
Teil 1: Fachgrundspezifikation
(IEC 61274-1:2011)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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CENELEC

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

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Foreword

The text of document 86B/3273/FDIS, future edition 3 of IEC 61274-1, prepared by SC 86B, "Fibre optic interconnecting devices and passive components", of IEC TC 86, "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61274-1:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-09-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2012-12-29

This document supersedes EN 61274-1:2008.

The specific technical changes from EN 61274-1:2008 include removal of quality assessment procedure, to add the definition of plug-socket configuration, to reconsider a drawing showing the relationship between EN 60874, EN 61753, EN 61754 series of standards, and updating the normative references.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61274-1:2011 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60874 series	NOTE	Harmonized in EN 60874 series.
IEC 61274-1-1	NOTE	Harmonized as EN 61274-1-1.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60027	Series	Letter symbols to be used in electrical technology	EN 60027	Series
IEC 60050-731	-	International Electrotechnical Vocabulary (IEV) - Chapter 731: Optical fibre communication	-	-
IEC 60617	Data-base	Graphical symbols for diagrams	-	-
IEC 60695-11-5	-	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	-
IEC 60825-1	-	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 61300	Series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures	EN 61300	Series
IEC 61753	Series	Fibre optic interconnecting devices and passive components performance standard	EN 61753	Series
IEC 61753-1	-	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards	EN 61753-1	-
IEC 61754	Series	Fibre optic connector interfaces	EN 61754	Series
IEC 61755	Series	Fibre optic connector optical interfaces	EN 61755	Series
IEC/TR 61930	-	Fibre optic graphical symbology	-	-
IEC/TR 61931	-	Fibre optic - Terminology	-	-
ISO 129	-	Technical drawings - Dimensioning - General principles, definitions, methods of execution and special indications	-	-
ISO 286-1	-	ISO system of limits and fits - Part 1: Bases of tolerances, deviations and fits	EN ISO 286-1	-
ISO 1101	-	Geometrical Product Specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out	EN ISO 1101	-
ISO 8601	-	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-

CONTENTS

INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 Requirements	10
4.1 General	10
4.2 Classification	10
4.2.1 General	10
4.2.2 Type	11
4.2.3 Style	11
4.2.4 Interface standard	12
4.2.5 Variant	12
4.2.6 Assessment level	12
4.2.7 Normative reference extensions	12
4.3 Documentation	13
4.3.1 Symbols	13
4.3.2 Specification system	13
4.3.3 Drawings	15
4.3.4 Performance	15
4.3.5 Measurements	15
4.3.6 Test reports	16
4.3.7 Instructions for use	16
4.4 Standardization system	16
4.4.1 Interface standards	16
4.4.2 Performance standards	17
4.4.3 Optical interface standards	17
4.4.4 Reliability documentation	17
4.4.5 Interlinking	18
4.5 Design and construction	20
4.5.1 Materials	20
4.5.2 Workmanship	20
4.6 Quality	20
4.7 Performance	20
4.8 Identification and marking	20
4.8.1 Variant identification number	20
4.8.2 Component marking	20
4.8.3 Package marking	21
4.9 Packaging	21
4.10 Storage conditions	21
4.11 Safety	21
Bibliography	22
Figure 1 – Standardization structure	19

Table 1 – Example of a typical adaptor classification	11
Table 2 – Three-level specification structure	14
Table 3 – Standards interlink matrix	19

INTRODUCTION

This part of IEC 61274 is divided into four clauses.

Clauses 1, 2 and 3 contain general information pertaining to this generic specification.

Clause 4 is entitled "Requirements" and contains all the requirements to be met by adaptors covered by this standard. This includes requirements for classification, the IEC specification system, documentation, materials, workmanship, quality, performance, identification and packaging.

NOTE Clauses 1 to 4 are applicable generally and refer to all adaptor standards.