

STN	Simplex a duplex káble na použitie v šnúrach. Časť 2: Podrobná špecifikácia a minimálne požiadavky na špeciálne odolné simplex jednovidové káble pre prepájacie šnúry/šnúry kategórie U.	STN EN 50551-2 35 9225
------------	---	--

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Obsahuje: EN 50551-2:2013

118724

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2014
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy
rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

**Simplex and duplex cables to be used for cords -
Part 2: Detailed specification and minimum requirements for a 3,0 mm
simplex ruggedised single mode fibre cable to be used for
patchcords/cords category U**

Câbles simplex et duplex destinés à être utilisés en tant que cordons -
Partie 2: Spécifications particulières et exigences minimales relatives aux câbles à fibres optiques unimodales renforcés simplex de 3,0 mm pour usage en cordons / cordons de brassage, en Catégorie U

Simplex- und Duplex-Kabel, die in konfektionierten Leitungen benutzt werden -
Teil 2: Bauartspezifikation und Mindestanforderungen für ein 3,0 mm-Simplex-Einmodenfaserkabel mit zusätzlichem Schutz für konfektionierte Kabel/Leitungen der Kategorie U

This European Standard was approved by CENELEC on 2013-08-19. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Contents	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Cable description	5
4 Optical fibres — Single mode optical fibre	7
5 Buffer	7
6 Cable construction	8
6.1 General	8
6.2 Mechanical and environmental tests	9

Foreword

This document (EN 50551-2:2013) has been prepared by CLC/TC 86A "Optical fibres and optical fibre 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) 2014-08-19
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-08-19

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.

EN 50551 is composed with the following parts:

- EN 50551-1, *Simplex and duplex cables to be used for cords — Part 1: Blank Detail Specification and minimum requirements*;
- EN 50551-2, *Simplex and duplex cables to be used for cords — Part 2: Detailed specification and minimum requirements for a 3,0 mm simplex ruggedised single mode fibre cable to be used for patchcords/cords category U*.

This European Standard was jointly prepared by the Technical Committee CLC/TC 86A "Optical fibres and optical fibre cables", and the Technical Committee CLC/TC 86BXA "Fibre optic interconnect, passive and connectorised components".

1 Scope

This European Standard describes the minimum set of requirements that a simplex ruggedised single mode fibre cable shall meet in order to allow termination with a connector for use in category U (Uncontrolled Environment).

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.

EN 60793-1-20, *Optical fibres — Part 1-20: Measurement methods and test procedures — Fibre geometry (IEC 60793-1-20)*

EN 60793-1-21, *Optical fibres — Part 1-21: Measurement methods and test procedures — Coating geometry (IEC 60793-1-21)*

EN 60793-1-40, *Optical fibres — Part 1-40: Measurement methods and test procedures — Attenuation (IEC 60793-1-40)*

EN 60793-1-44, *Optical fibres — Part 1-44: Measurement methods and test procedures — Cut-off wavelength (IEC 60793-1-44)*

EN 60793-1-45, *Optical fibres — Part 1-45: Measurement methods and test procedures — Mode field diameter (IEC 60793-1-45)*

EN 60793-2-50, *Optical fibres — Part 2-50: Product specifications — Sectional specification for class B single-mode fibres (IEC 60793-2-50)*

EN 60794-1 (all parts), *Optical fibre cables (IEC 60794-1, all parts)*

EN 60794-2 (all parts), *Optical fibre cables — Part 2: Indoor cables (IEC 60794-2, all parts)*

EN 60794-2-50:2008, *Optical fibre cables — Part 2-50: Indoor cables — Family specification for simplex and duplex cables for use in terminated cable assemblies (IEC 60794-2-50:2008)*

EN 60811-201, *Electric and optical fibre cables — Test methods for non-metallic materials — Part 201: General tests — Measurement of insulation thickness (IEC 60811-201)*

EN 60811-203, *Electric and optical fibre cables — Test methods for non-metallic materials — Part 203: General tests — Measurement of overall dimensions (IEC 60811-203)*

EN 61034-1, *Measurement of smoke density of cables burning under defined conditions — Part 1: Test apparatus (IEC 61034-1)*

EN 61034-2, *Measurement of smoke density of cables burning under defined conditions — Part 2: Test procedure and requirements (IEC 61034-2)*

EN 61753-1, *Fibre optic interconnecting devices and passive components performance standard — Part 1: General and guidance for performance standards (IEC 61753-1)*

IEC 60332-3-25, *Tests on electric and optical fibre cables under fire conditions — Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables — Category D*

IEC 60754-1, *Test on gases evolved during combustion of materials from cables — Part 1: Determination of the halogen acid gas content*

IEC 60754-2, *Test on gases evolved during combustion of materials from cables — Part 2: Determination of acidity (by pH measurement) and conductivity*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN