

Irish Standard I.S. EN 4641-100:2015

Aerospace series - Cables, optical 125 µm diameter cladding - Part 100: Tight structure 62,5/125 µm core GI fibre 1,8 mm outside diameter - Product standard

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I.S. EN 4641-100:2015

2015-09-28

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National Foreword

I.S. EN 4641-100:2015 is the adopted Irish version of the European Document EN 4641-100:2015, Aerospace series - Cables, optical 125 μ m diameter cladding - Part 100: Tight structure 62,5/125 μ m core GI fibre 1,8 mm outside diameter - Product standard

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EUROPEAN STANDARD

EN 4641-100

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 49.090

English Version

Aerospace series - Cables, optical 125 μm diameter cladding - Part 100: Tight structure 62,5/125 μm core GI fibre 1,8 mm outside diameter - Product standard

Série aérospatiale - Câble, optique, diamètre extérieur de la gaine optique 125 μm - Partie 100 : Câble à structure serrée fibre à gradient d'indice cœur 62,5/125 μm , diamètre extérieur 1,8 mm - Norme de produit

Luft- und Raumfahrt - Lichtwellenleiterkabel, Manteldurchmesser 125 µm - Teil 100: Festaderaufbau GI 62,5/125 µm Faser Kabeldurchmesser 1,8 mm -Produktnorm

This European Standard was approved by CEN on 21 June 2014.

CEN 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 CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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

EN 4641-100:2015 (E)

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EN 4641-100:2015 (E)

European foreword

This document (EN 4641-100:2015) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this European Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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

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EN 4641-100:2015 (E)

1 Scope

This European Standard specifies the general characteristics, conditions for qualification, acceptance and quality assurance for fibre optic cable: 4641-100.

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 2424, Aerospace series — Marking of aerospace products

EN 2812, Aerospace series — Stripping of electric cables

EN 3745 (all parts), Aerospace series — Fibres and cables, optical, aircraft use — Test methods

EN 3838, Aerospace series — Requirements and tests on user-applied markings on aircraft electrical cables

EN 3909, Aerospace series — Test fluids and test methods for electric components and sub-assemblies

EN 9133, Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts

TR 6058, Aerospace series — Cable code identification list 1)

TIA/EIA-455-30-B, FOTP-30 Frequency Domain Measurement of Multimode ²⁾

TIA/EIA-455-175-B, FOTP175 — Chromatic Dispersion Measurement of Single-mode Optical Fibers by the Differential Phase Shift Method ²⁾

ANSI/EIA 4920000-A, Generic Specification for Optical Waveguide Fibers 2)

¹⁾ Published as ASD-STAN Technical Report at the date of publication of this European Standard. http://www.asd-stan.org/

²⁾ Published by: National (US) American National Standard Institute. http://www.ansi.org/



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