

STN	Letectvo a kozmonautika Optické káble s vonkajším priemerom plášťa 125 µm Časť 200: Káble s polotuhou štruktúrou, s vláknom GI 9/125 µm, vonkajším priemerom 0,9 mm Norma na výrobok	STN EN 4641-200 31 1847
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Aerospace series - Cables, optical, 125 µm diameter cladding - Part 200: Semi-loose structure 9/125 µm GI fibre nominal 0,9 mm outside diameter - Product standard

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/19

Obsahuje: EN 4641-200:2018

128644

EUROPEAN STANDARD

EN 4641-200

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2018

ICS 49.090

English Version

Aerospace series - Cables, optical, 125 μm diameter
cladding - Part 200: Semi-loose structure 9/125 μm GI
fibre nominal 0,9 mm outside diameter - Product standard

Série aérospatiale - Câbles, optiques, diamètre
extérieur de la gaine optique 125 μm - Partie 200 :
Câble à structure semi-libre, fibre à gradient d'indice
9/125 μm , diamètre extérieur 0,9 mm - Norme de
produit

Luft- und Raumfahrt - Lichtwellenleiterkabel,
Mantelaußendurchmesser 125 μm - Teil 200:
Kompaktaderstruktur, 9/125 μm GI-Faser,
Kabelaußendurchmesser 0,9 mm - Produktnorm

This European Standard was approved by CEN on 8 July 2018.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 4641-200:2018) 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 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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

EN 4641-200:2018 (E)**1 Scope**

This European Standard specifies the general characteristics, conditions for qualification, acceptance and quality assurance for a fibre optic cable with a 9/125 µm, MM fibre core, and 900 µm outside cable diameter and of semi-loose buffer construction for “inside avionics box” equipment fibre harnessing.

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.

EN 2424, *Aerospace series — Marking of aerospace products*

EN 2812, *Aerospace series — Stripping of electric cables*

EN 3475-601, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 601: Smoke density*

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 electrical and optical components and sub-assemblies*

EN 4641-001, *Aerospace series — Cables, optical, 125 µm diameter cladding — Part 001: Technical specification*

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

TR 4647, *Aerospace series — Termination procedure for EN 4639 optical contact* ²⁾

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

1) Published by: IEC International Electrotechnical Commission <http://www.iec.ch/>

2) Published as ASD-STAN Technical Report at the date of publication of this standard by Aerospace and Defence Industries Association of Europe-Standardization (ASD-STAN), (www.asd-stan.org).