ICS 49.090 SLOVENSKÁ TECHNICKÁ NORMA Máj 2019

STN	**Letectvo a kozmonautika** **Optické káble s vonkajším priemerom plášťa 125 µm** **Časť 202: Káble s polotuhou štruktúrou, s vláknom SM 9/125 µm, vonkajším priemerom 2,74 mm** **Norma na výrobok**	**STN** **EN 4641-202** 31 1847

Aerospace series - Cables, optical, 125 m diameter cladding - Part 202: Semi-loose, ruggedized simplex construction 9/125 m SM fibre nominal 2,74 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 4641-202:2018

128646

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 4641-202

November 2018

ICS 49.090

English Version

Aerospace series - Cables, optical, 125 µm diameter cladding - Part 202: Semi-loose, ruggedized simplex construction 9/125 µm SM fibre nominal 2,74 mm outside diameter - Product standard

Série aérospatiale - Câbles, optiques, diamètre extérieur de la gaine optique 125 µm - Partie 202 : Câble à structure semi-libre, fibre à SM 9/125 µm, diamètre extérieur 2,74 mm - Norme de produit

Luft- und Raumfahrt - Lichtwellenleiterkabel, Mantelaußendurchmesser 125 µm - Teil 202: Kompaktader, 9/125 µm SM-Faser, Kabelaußendurchmesser 2,74 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

Ref. No. EN 4641-202:2018 E

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European foreword

This document (EN 4641-202:2018) 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of an identical text or by endorsement, at the latest by May 2019, and conflicting national standards shall be withdrawn at the latest by May 2019.

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1 Scope

This European product Standard specifies the general characteristics, conditions for qualification, acceptance and quality assurance for a fibre optic cable with a 9/125 µm. Single mode fibre core, 2,74 mm outside cable diameter and of semi-loose construction. The basic construction is the cable defined in EN 4641-201 with added sheaths for ruggedized usages.

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*

EN 4641-102, *Aerospace series — Cables, optical, 125 µm diameter cladding — Part 102: Semi-loose 62,5/125 µm GI fibre nominal 1,8 mm outside diameter — Product standard*

EN 4641-201, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 201: Semi-loose structure 9/125 µm SM fibre nominal 1,8 mm outside diameter — Product standard*

TR 4647, *Aerospace series — Termination procedure for EN 4639 optical contact* [1)]

1) Published as ASD-STAN Technical Report at the date of publication of this European Standard by Aerospace and Defence Industries Association of Europe-Standardization (ASD-STAN), http://www.asd-stan.org/