ICS 49.090 SLOVENSKÁ TECHNICKÁ NORMA Júl 2022

STN	**Letectvo a kozmonautika Optické káble s vonkajším priemerom plášťa 125 µ Časť 301: Káble s tuhou štruktúrou, s vláknom GI 50/125 µm, vonkajším priemerom 1,8 mm Norma na výrobok**	**STN EN 4641-301 31 1847**

Aerospace series - Cables, optical 125 m diameter cladding - Part 301: Tight structure 50/125 m GI, fibre nominal 1,8 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. 06/22

Obsahuje: EN 4641-301:2022

Oznámením tejto normy sa ruší
STN EN 4641-301 (31 1847) zo septembra 2011

obsahuje farebné strany

134992

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 4641-301

March 2022

ICS 49.090

Supersedes EN 4641-301:2011

English Version

Aerospace series - Cables, optical 125 µm diameter cladding - Part 301: Tight structure 50/125 µm GI, fibre nominal 1,8 mm, outside diameter - Product standard

Série aérospatiale - Câbles, optiques, diamètre extérieur de la gaine optique 125 µm - Partie 301 : Câble à structure serrée, fibre à gradient d'indice 50/125 µm, diamètre extérieur 1,8 mm - Norme de produit

Luft- und Raumfahrt - Lichtwellenleiterkabel, Claddingdurchmesser 125 µm - Teil 301: Festaderaufbau GI 50/125 µm, Faser Kabelaußendurchmesser 1,8 mm - Produktnorm

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN 4641-301:2022) 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 document 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 document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2022, and conflicting national standards shall be withdrawn at the latest by September 2022.

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This document supersedes EN 4641-301:2011.

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1 Scope

This document specifies the general characteristics, conditions for qualification, acceptance and quality assurance for a fibre optic cable with a 50/125 µm Graded Index fibre core, 1,8 mm outside diameter for non pull-proof contact designs.

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

EN 3745- *, *Aerospace series — Fibres and cables, optical, aircraft use — Test methods*

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*

* All parts quoted in this document.