

STN	Letectvo a kozmonautika. Optické káble s vonkajším priemerom plášťa 125 µm. Časť 101: Káble s tuhou štruktúrou s jadrom 62,5 µm s GI vláknom, vonkajším priemerom 0,9 mm. Norma na výrobok.	STN EN 4641-101 31 1847
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Aerospace series - Cables, optical 125 µm diameter cladding - Part 101: Tight structure 62,5 µm core GI fibre 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. 08/15

Obsahuje: EN 4641-101:2015

121363

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2015
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.

ICS 49.090

English Version

**Aerospace series - Cables, optical 125 µm diameter cladding -
Part 101: Tight structure 62,5 µm core GI fibre 0,9 mm outside
diameter - Product standard**

Série aérospatiale - Câbles, optiques, diamètre extérieur de la gaine optique 125 µm - Partie 101 : Câbles à structure serrée, fibre à gradient d'indice coeur 62,5 µm, diamètre extérieur 0,9 mm - Norme de produit

Luft- und Raumfahrt - Lichtwellenleiterkabel, Mantelaußendurchmesser 125 µm - Teil 101: Vollader, 62,5 µm GI-Faser, Kabelaußendurchmesser 0,9 mm - Produktnorm

This European Standard was approved by CEN on 29 November 2014.

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

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Foreword

This document (EN 4641-101:2015) 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 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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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1 Scope

This product standard specifies the general characteristics, conditions for qualification, acceptance and quality assurance for a fibre optic cable with a 62,5/125 µm Graded Index fibre core, 0,9 mm outside diameter and of tight buffer construction, for inside wiring applications.

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 2812, *Aerospace series — Stripping of electric cables*

EN 3745-100 (all parts), *Aerospace series — Fibres and cables, optical, aircraft use — Test methods — Part 100: General*

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*

TIA/EIA-455-30-B, *FOTP-30 — Frequency Domain Measurement of Multimode* ¹⁾

TIA/EIA-455-175-B, *FOTP175 — Chromatic Dispersion Measurement of Single-mode Optical Fibers by the Differential Phase Shift Method* ¹⁾

ANSI/EIA 4920000-A, *Generic Specification for Optical Waveguide Fibers* ¹⁾

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¹⁾ Published by: National (US) American National Standard Institute (www.ansi.org/).