

# E DIN EN 4641-001:2024-05 (E)

Erscheinungsdatum: 2024-04-12

Aerospace series - Cables, optical - Part 001: Technical specification; English  
version prEN 4641-001:2024

---

## Contents

Page

European foreword .....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions.....	4
4 Required characteristics.....	5
4.1 Description.....	5
4.2 Material and construction of cables.....	5
4.3 Fibre construction .....	5
4.4 Cable construction.....	6
5 Test methods .....	7
5.1 Tests in accordance with EN 3745-100 .....	7
5.1.1 Optical fibre .....	7
5.1.2 Fibre optic cable.....	8
5.2 Special tests.....	9
6 Quality assurance .....	9
6.1 General.....	9
6.2 Qualification .....	9
6.2.1 Qualification conditions .....	9
6.2.2 Qualification tests .....	9
6.2.3 Sampling and definition of specimens .....	14
6.2.4 Preparation of specimens.....	14
6.3 Qualification group and maintenance of qualification .....	14
6.4 Quality control.....	14
7 Designation and marking.....	14
7.1 General principle of designation.....	14
7.2 General principle of codification.....	14
7.3 Dynamic product standard cross table .....	15
7.4 Marking .....	16
7.5 Colours.....	16
8 Delivery conditions .....	16
8.1 Packaging.....	16
8.2 Labelling.....	17
8.3 Delivery lengths.....	17
9 Storage .....	17