E DIN EN 6059-502:2024-02 (E)

Erscheinungsdatum: 2024-01-12

Aerospace series - Electrical cables, installation Protection sleeves - Test methods - Part 502: Resistance to electrical arcs; English version prEN 6059-502:2023

Contents

Page

European foreword ... 3

1 Scope ... 4

2 Normative references ... 4

3 Terms and definitions ... 4

4 Specimen requirements ... 5

5 Definition and preparation of specimen ... 5
5.1 Test configuration ... 5
5.2 Target bundle (bundle T) ... 6
5.2.1 Definition and constitution ... 6
5.2.2 Preparation ... 6
5.2.3 Lay up the seven cables as follows ... 6
5.3 Protected bundle (bundle P) ... 7
5.3.1 Definition and constitution ... 7
5.3.2 Preparation ... 7
5.3.3 Lay up the seven cables as follows ... 7

6 Apparatus ... 10
6.1 Electrical equipment - Test configurations (case of a three-phase 115 VAC network) ... 10
6.2 Test equipment ... 12
6.3 Test protocol ... 12
6.4 Test rig set-up ... 13
6.5 Description of the expected measurements ... 13

7 Method ... 13
7.1 Test procedure ... 13
7.2 Short-circuit pass/fail criteria ... 14
7.3 Examination ... 15
7.4 Test report ... 15

8 Requirements ... 16