

DIN EN 16602-70-20:2015-02 (E)

Space product assurance - Determination of the susceptibility of silver-plated copper wire and cable to "red-plague" corrosion; English version EN 16602-70-20:2014

Table of contents

- Foreword4**
- 1 Scope.....5**
- 2 Normative references6**
- 3 Terms, definitions and abbreviated terms.....7**
 - 3.1 Terms defined in other standards7
 - 3.2 Terms specific to the present standard7
 - 3.3 Abbreviated terms.....7
- 4 Principles8**
- 5 Requirements.....9**
 - 5.1 Preparatory conditions9
 - 5.1.1 Handling and storage9
 - 5.1.2 Identification9
 - 5.1.3 Test equipment9
 - 5.2 Test procedure10
 - 5.2.1 Preparation of test samples.....10
 - 5.2.2 Test sequence11
 - 5.3 Acceptance criteria13
 - 5.3.1 Inspection of sample13
 - 5.3.2 Acceptance and rejection criteria13
 - 5.4 Quality assurance14
 - 5.4.1 Data14
 - 5.4.2 Calibration and traceability14
- Annex A (normative) Red-plague evaluation report - DRD.....15**
 - A.1 DRD identification15
 - A.1.1 Requirement identification and source document.....15
 - A.1.2 Purpose and objective.....15
 - A.2 Expected response15
 - A.2.1 Scope and content15
 - A.2.2 Special remarks15

Annex B (informative) Example of red-plague evaluation report template	16
Annex C (informative) Codes for extent of corrosion	18
Bibliography	25

Figures

Figure 5-1: Sketch of prepared test cable	11
Figure 5-2: Example of test equipment	12
Figure B-1 : Example of red-plague test report sheet	17
Figure C-1 : Extent of Corrosion (per 20 cm length/test sample): Code 0	19
Figure C-2 : Extent of Corrosion (per 20 cm length/test sample): Code 1	20
Figure C-3 : Extent of Corrosion (per 20 cm length/test sample): Code 2	21
Figure C-4 : Extent of Corrosion (per 20 cm length/test sample): Code 3	22
Figure C-5 : Extent of Corrosion (per 20 cm length/test sample): Code 4	23
Figure C-6 : Extent of Corrosion (per 20 cm length/test sample): Code 5	24

Tables

Table 5-1: Corrosion classification.....	14
--	----