ISO 19427:2019 (E)

Steel wire ropes — Pre-fabricated parallel wire strands for suspension bridge main cable — Specifications

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Designation of product

5 Requirements

- 5.1 Traceability
- 5.2 Lengths and fabrication tolerances
- 5.3 Material and manufacture
- 5.4 Mechanical property
- 5.4.1 Tensile property
- 5.4.2 Modulus of elasticity
- 5.4.3 Fatigue property

6 Test methods

- 6.1 Material test
- 6.2 Tensile test of PPWS
- 6.3 Modulus of elasticity
- 6.4 The test of socketing process
- 6.5 Fatigue test

7 Inspection

- 7.1 Inspection and inspection documents
- 7.2 Acceptance unit, number of samples and test pieces
- 7.3 Evaluation of test results for mechanical, chemical, and coating properties
- 7.4 Sorting and reprocessing

8 Identification and marking

9 Storage and handling

10 Transportation

Annex A (normative) Cross-sectional layout of PPWS

Annex B (informative) Sectional dimensions, nominal length mass of PPWS

Annex C (informative) Nominal breaking force

Page count: 14