ISO 10544:2024-01 (E)

Cold-reduced steel wire for the reinforcement of concrete and the manufacture of welded fabric

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Dimensions, masses and tolerances **3**

5 Geometry of ribbed and indented wires **4**
5.1 Ribbed wire 4
5.2 Indented wire 6

6 Chemical composition **8**

7 Mechanical properties **9**
7.1 Tensile properties 9
7.2 Bending properties 9
7.3 Rebending properties 9

8 Testing of mechanical properties **9**
8.1 Tensile test 9
8.2 Bend test 10
8.3 Rebend test 10

9 Designation **10**

10 Marking **10**
10.1 Marking on the wire 10
10.2 Marking of bundles or coils 11

11 Testing and inspection **11**
11.1 General 11
11.2 Evaluation of conformity during production 11
11.3 Testing of a specific delivery 11
11.4 Verification of conformity 11
11.4.1 Organization 11
11.4.2 Extent of sampling and testing 11
11.4.3 Evaluation of the results 12
11.5 Verification of guaranteed minimum values 13

12 Test report **13**

Annex A (informative) **Identification of origin on the wire** **14**

Bibliography **16**