

# ISO 10544:2024-01 (E)

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

---

Foreword.....	iv
<b>1</b> Scope.....	<b>1</b>
<b>2</b> Normative references.....	<b>1</b>
<b>3</b> Terms and definitions.....	<b>1</b>
<b>4</b> Dimensions, masses and tolerances.....	<b>3</b>
<b>5</b> Geometry of ribbed and indented wires.....	<b>4</b>
5.1 Ribbed wire.....	4
5.2 Indented wire.....	6
<b>6</b> Chemical composition.....	<b>8</b>
<b>7</b> Mechanical properties.....	<b>9</b>
7.1 Tensile properties.....	9
7.2 Bending properties.....	9
7.3 Rebending properties.....	9
<b>8</b> Testing of mechanical properties.....	<b>9</b>
8.1 Tensile test.....	9
8.2 Bend test.....	10
8.3 Rebend test.....	10
<b>9</b> Designation.....	<b>10</b>
<b>10</b> Marking.....	<b>10</b>
10.1 Marking on the wire.....	10
10.2 Marking of bundles or coils.....	11
<b>11</b> Testing and inspection.....	<b>11</b>
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
<b>12</b> Test report.....	<b>13</b>
<b>Annex A</b> (informative) <b>Identification of origin on the wire</b> .....	<b>14</b>
<b>Bibliography</b> .....	<b>16</b>