

ISO 16650:2025-08 (E)

Bead wire

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Classification	2
5	Designation and ordering	2
5.1	Designation	2
5.2	Information to be supplied by the purchaser	2
6	Requirements	3
6.1	Chemical composition of steel	3
6.2	Metallic coating	3
6.3	Cumulative weight	3
6.4	Mechanical properties	3
6.4.1	General	3
6.4.2	Tensile test results	3
6.4.3	Torsion test	5
6.5	Surface quality	5
6.5.1	General	5
6.5.2	Coating thickness	5
6.6	Delivery conditions	5
6.6.1	Unit package	5
6.6.2	Welds	5
6.6.3	Wire straightness	6
6.6.4	Residual torsion	6
6.7	Dimensions and tolerances	6
6.7.1	Size tolerances	6
6.7.2	Requirements for adhesion	6
7	Testing and inspection	6
7.1	Tests and inspection documents	6
7.2	Programme for specific inspection	6
7.3	Test procedures	6
7.3.1	Chemical composition	6
7.3.2	Tensile test	7
7.3.3	Torsion test	7
7.3.4	Diameter and out-of-roundness	7
7.3.5	Straightness	7
7.3.6	Residual torsions	7
7.3.7	Adhesion test	7
7.4	Retests	7
8	Marking, labelling, packaging and shelf life	7
Annex A (informative)	Adhesion testing	9
Annex B (informative)	Pulling out test clamp	12
Annex C (informative)	Spool	13
Bibliography		15