

ISO 6819:2023-10 (E)

Steel wire rod for bridge cable wire

Contents		Page
Foreword.....		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Designation	2
5	Ordering information	2
6	Production process	2
7	Requirements	2
	7.1 General.....	2
	7.2 Dimensions and tolerances.....	3
	7.3 Coil weight.....	3
	7.4 Chemical composition.....	3
	7.5 Mechanical properties.....	4
	7.6 Delivery condition.....	4
	7.7 Internal soundness and surface quality.....	4
	7.8 Surface discontinuities.....	4
	7.9 Decarburization.....	4
	7.10 Non-metallic inclusions.....	4
	7.11 Microstructure.....	4
	7.11.1 Resolvable pearlite.....	4
	7.11.2 Cementite network.....	5
	7.12 Core segregation.....	5
8	Inspection	5
9	Test methods	5
	9.1 General.....	5
	9.2 Tolerances in diameter and out-of-roundness.....	5
	9.3 Chemical composition.....	5
	9.4 Tensile strength.....	5
	9.5 Decarburization.....	5
	9.6 Non-metallic inclusions.....	5
	9.7 Core segregation.....	6
10	Retests	6
11	Marking	6
12	Disputes	6
Annex A (informative) Mechanical properties		7
Bibliography		8