

DIN EN 13600:2013-09 (English)

Copper and copper alloys - Seamless copper tubes for electrical purposes

Contents		Page
Foreword		3
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Designations	6
4.1	Material	6
4.1.1	General	6
4.1.2	Symbol	6
4.1.3	Number	6
4.2	Material condition	6
4.3	Product	6
5	Ordering information	8
6	Requirements	9
6.1	Composition	9
6.2	Mechanical properties	9
6.3	Electrical properties	9
6.4	Freedom from hydrogen embrittlement	9
6.5	Dimensions and tolerances	9
6.5.1	Outside dimensions	9
6.5.2	Corner radii	9
6.5.3	Wall thickness	9
6.5.4	Length	9
6.5.5	Form tolerances	10
6.6	Mass tolerances	11
6.7	Surface condition	11
7	Sampling	11
7.1	General	11
7.2	Analysis	12
7.3	Mechanical and electrical tests	12
8	Test methods	12
8.1	Analysis	12
8.2	Tensile test	12
8.3	Hardness test	12
8.4	Electrical resistivity test	12
8.5	Hydrogen embrittlement test	13
8.6	Retests	13
8.7	Rounding of results	13
9	Declaration of conformity and inspection documentation	13
9.1	Declaration of conformity	13
9.2	Inspection documentation	14
10	Marking, packaging, labelling	14
Annex A (informative)	Characteristics of coppers for electrical purposes	23
Bibliography		25