ISO 8205:2021 (E)

Resistance welding equipment — Water-cooled secondary connection cables

Contents

		Foreword		
1		Scope		
2		Normative references		
3		Terms and definitions		
4		Classification		
	4.1 4.2		Form of the end lugs Resistance and reactance	
5		Dimen	nsions	
	5.1.1 5.1.2 5.1.3 5.2 5.2.1 5.2.2 5.2.3	2 3 1 2	Double conductor connection cables Cross-sectional area Length End lugs Single conductor connection cables Cross-sectional area Length End lugs	
6		Marking		
7		Designation		
8		Materials		
9		Electrical characteristics		
	9.1 9.2 9.3		General Permanent current Resistance	
10		Electrical requirement		
	10.1 10.1.1 10.1.2 10.1.3 10.1.4		Type test Measurement of insulation resistance Determination of the impedance of the cable (only for cables in accordance with double conductor connection cables) Determination of the resistance of the cable Calculation of power factor (only for cables in accordance with double conductor	
	10.2		connection cables) Routine test (only for cables in accordance with double conductor connection cables)	
11	Mechanical requirement		anical requirement	
	11.1 11.2 11.3 11.4 11.4 11.4 11.5 11.5	.1 .2 .3 .4	General Leak tightness and pressure resistance of the water circuit Water flow Verification of flexibility at ends General Fixing of the cable Measurements to be taken Interpretation of results Torsion General	

11.5.2	Test rig
11.5.3	Measurement to be taken
11.6	Endurance test
11.6.1	Principle
11.6.2	Test apparatus
11.6.3	Adjustment parameters
11.6.4	Test cycle
11.6.5	Test procedure and duration
11.7	Test report

12 Delivery conditions

Page count: 17