



Test Report

Name of sample	Solar cable				
Type and size	H1Z2Z2-K 6mm ²	Status describing	Complete cable		
Kind of test	Sample test	Reference No.	23030201		
Producer	Hangzhou Easy Electric Wire and Cable Co.,LTD				
Address	Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China				
Zip code	471922	Tel.	0571-88720705		
Test and verdict standard	EN 50618 Electric cables for photovoltaic systems				
Date of test	Mar.2nd, 2023				
Conclusion	The properties of the test specimen meet with the technical requirements of EN 50618 Electric cables for photovoltaic systems				
Note	/				
Test preparing		Check-up		Approval	

Type and size: H1Z2Z2-K 6mm ²			Reference No: 23030201	Drum No.:W10-1	
No	Item of test	Unit	Requirements	Test results	Verdict
1	Conductor				
	Material	-	Flexible Tinned copper class 5(K)	Flexible Tinned copper class 5(K)	✓
	Max.wire diameter	mm	0.31	0.285	
	DC Resistance at 20°C	Ω/km	≤3.39	3.38	✓
2	Insulation				
	Material	-	Halogen-free cross-linked LSOH-XL	Halogen-free cross-linked LSOH-XL	✓
	Average thickness	mm	0.7	0.79	✓
	Min. thickness at any point	mm	≥0.53	0.71	✓
	Hot set				
	Elongation under load	%	≤100	50	✓
	Permanent deformation rate after cooling	%	≤25	0	✓
3	Sheath				
	Material	-	Halogen-free cross-linked LSOH-XL(Black)	Halogen-free cross-linked LSOH-XL(Black)	✓
	Average thickness	mm	0.8	0.8	✓
	Min. thickness at any point	mm	≥0.58	0.685	✓
	Hot set				
	Elongation under load	%	≤100	55	✓
	Permanent deformation rate after cooling	%	≤25	0	✓
4	Cable				
	Approx.Overall diameter	mm	6.1	6.1	-
	Approx unit weight	kg/km	78.9	79.3	-
	Voltage Test 6.5kv/5min	-	No breakdown	No breakdown	✓
	Mark	-	Rub-resistant, clear, correct	Rub-resistant, clear, correct	✓
	---End of report---				

Note: "✓" mean that item qualified , "x" mean that item unqualified.