



## TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-2			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.370-4.380	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.14	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	12.36	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	159-171	Qualified	
4.2	Resistivity at 20°C	nΩ · m	≤28.264	27.776-27.927	Qualified	
5	Mass per unit length	kg/km	290±2%	288	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2650	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	董晓霞



## TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-6			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.370-4.400	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.20	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	12.53	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	162-176	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.749-27.816	Qualified	
5	Mass per unit length	kg/km	290±2%	286	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2656	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤



### TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-15			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.365-4.380	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.21	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	12.36	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	154-179	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.539-27.844	Qualified	
5	Mass per unit length	kg/km	290±2%	288	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2650	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	董晓霞



## TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-19			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.360-4.380	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.20	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	13.28	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	164-182	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.547-27.786	Qualified	
5	Mass per unit length	kg/km	290±2%	287	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2683	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤



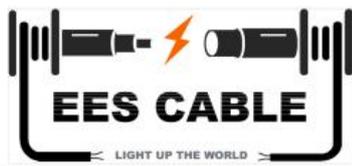
### TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-29			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.360-4.370	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.14	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	13.29	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	161-176	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.742-27.831	Qualified	
5	Mass per unit length	kg/km	290±2%	286	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2696	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤



## TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-45			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.365-4.380	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.20	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	12.52	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	160-173	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.703-27.913	Qualified	
5	Mass per unit length	kg/km	290±2%	286	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2555	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤



### TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-47			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.365-4.390	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.22	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	13.27	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	162-181	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.774-27.845	Qualified	
5	Mass per unit length	kg/km	290±2%	286	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2614	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤



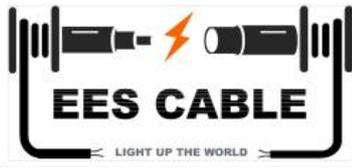
## TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-57			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.360-4.380	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.30	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	13.05	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	159-171	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.585-28.061	Qualified	
5	Mass per unit length	kg/km	290±2%	286	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2687	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤



### TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-60			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.360-4.380	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.18	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	12.48	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	159-178	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.725-27.945	Qualified	
5	Mass per unit length	kg/km	290±2%	286	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2654	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤



## TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-63			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.375-4.390	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.18	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	12.30	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	165-178	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.668-27.865	Qualified	
5	Mass per unit length	kg/km	290±2%	287	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2640	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓霞



## TEST REPORT

Type and size:100mm <sup>2</sup> AAC WASP Conductor			Drum No.: W212-69			
Standard: BS 215-1			Date: 2023-07-26			
No.	Item of test	Unit	Requirements	Test results	Evaluation	
1	Structure size					
1.1	Number of wires	No.	7	7	Qualified	
1.2	Diameter of single wire	mm	4.39±1%	4.370-4.390	Qualified	
1.3	Conductor diameter	mm	13.17±1%	13.28	Qualified	
2	Surface quality (visual inspection)	-	The conductor shall be clean and free of imperfections not consistent good commercial practice.	Conform	Qualified	
3	Lay					
3.1	Direction of lay	-	Right hand	Right hand	Qualified	
3.2	Lay ratio		10-14	12.60	Qualified	
4	The properties of AL-alloy wire (stranded)					
4.1	Tension strength	Mpa	≥152	166-173	Qualified	
4.2	Resistivity at 20°C	nΩ·m	≤28.264	27.579-27.616	Qualified	
5	Mass per unit length	kg/km	290±2%	288	Qualified	
6	DC Resistance at 20°C	Ω/km	≤0.2702	0.2660	Qualified	
Tested		赵利娟	Checked	徐秋瑞	Approved	葛晓贤