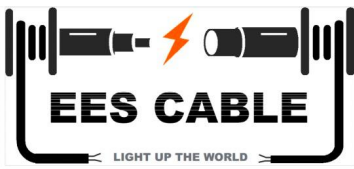


TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-16	Date	2023.03.08
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1179	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.130, 4.140	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified

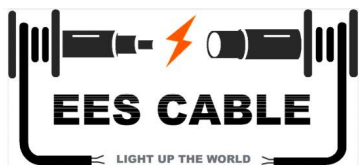


5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.13	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

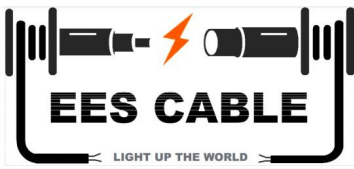
Checked by: Guohui Xu

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HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.



TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-26	Date	2023.03.10
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1101	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.135, 4.145	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified

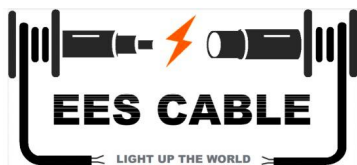


5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.14	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

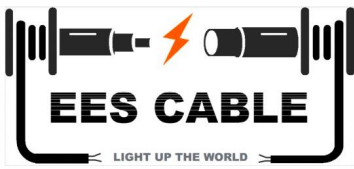
Checked by: Guohui Xu

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TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-35	Date	2023.03.11
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1158	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.130, 4.140	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified

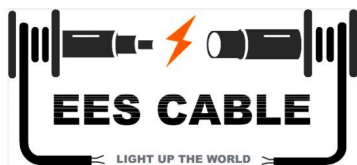


5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.14	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

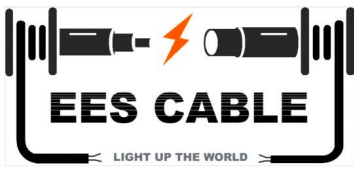
Checked by: Guohui Xu

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TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-42	Date	2023.03.11
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1108	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.135, 4.145	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified

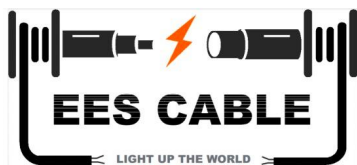


5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.13	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

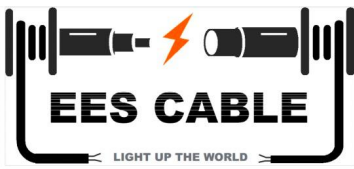
Checked by: Guohui Xu

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TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-53	Date	2023.03.11
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1164	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.135, 4.145	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified

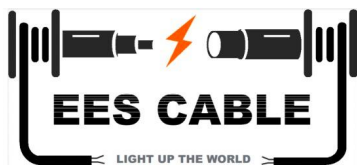


5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.14	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

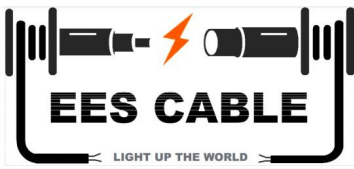
Checked by: Guohui Xu

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TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-68	Date	2023.03.13
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1181	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.130, 4.140	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified

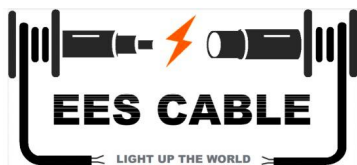


5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.13	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

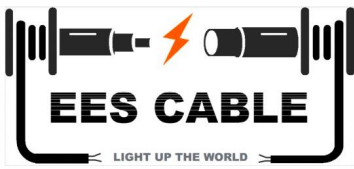
Checked by: Guohui Xu

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TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-75	Date	2023.03.13
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1166	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.130, 4.140	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified

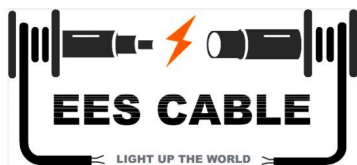


5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.14	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

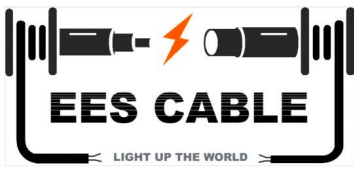
Checked by: Guohui Xu

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TEST REPORT

Products	ACSR PELICAN		Size	18*4.14+1*4.14	
Standard	ASTM B230 B232	Drum No.	1W80-80	Date	2023.03.13
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Number Of AL Wire	18		18	Qualified
1-2	Number Of Steel Wire	1		1	Qualified
1-3	Diameter Of Conductor	20.6mm		20.7	Qualified
1-4	20°C Max D.C Resistance	0.1193Ω/km		0.1152	Qualified
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.		Smooth, Compact	Qualified
3	Structure Performance				
3-1	Outer Stranding Direction of Conductor	Rightward		Rightward	Qualified
3-2	Lay Ratio Of Conductor	10-13		12.03	Qualified
4	Aluminum Wire Properties				
4-1	Diameter of AL Wire	4.14mm		4.130, 4.140	Qualified
4-2	Min. Tensile Strength	152N/mm ² (160*0.95)		185-204	Qualified
4-3	20°C Max D.C Resistivity	0.028265		0.027696-0.027814	Qualified
4-5	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack		Not crack	Qualified



5	Steel Wire Properties			
5-1	Diameter of Steel Wire	4.14	4.14	Qualified
5-2	Min. Tensile Strength	1311N/mm ² (1380*0.95)	1720	Qualified
5-3	Mass of Zinc Coating	≥ 274 g/m ²	325	Qualified
5-4	Elongation(250mm)	≥ 4%	4.8%	Qualified

Tested by: Shaoqiong He

Checked by: Guohui Xu

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HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.