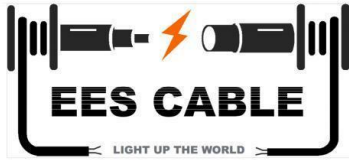


TEST REPORT

Products	ACSR 477 MCM (Pelican)		Size	477MCM	
Standard	18+1/4. 14	Invoice No.	20230021301	Date	2023.2.13
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	20.8±0.2%		20.6	Qualified
1-4	20℃ Max D.C Resistance	≤0.1193 Ω /km		0.1153	Qualified
1-5	The direction of outer layer	Right- handed		Right- handed	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	Aluminum Wire Properties				
3-1	Material	Hard drawn aluminum wire		Hard drawn aluminum wire	Qualified
3-2	Diameter Of AL Wire	18/4.14		18/4.12	Qualified
3-3	Min. Tensile Strength	165N/mm ²		172 175 176	Qualified
3-4	Resistivity at 20℃	≤0.028264		0.02779	Qualified
3-5	Elongation in 10 in	1.6%		2.6%	Qualified
4	Steel Wire Properties				



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4-1	Diameter Of Steel Wire	1/4.14	1/4.14	Qualified
4-2	Min. Tensile Strength	1290N/mm ²	1672	Qualified
4-3	Min.stress at 1% elongation	$\geq 1100\text{N/mm}^2$	1443	Qualified
4-4	Elongation	$\geq 3\%$	6.8%	Qualified

Tested by: Shaoqiong He

Checked by: Guohui Xu

杭州益睿电线电缆有限公司
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