



TEST REPORT

| Products | ACSR | | Size | 2AWG Sparrow | |
|----------|---------------------------------|--|-------------|--------------------------|------------|
| Standard | 6+1/2.67 | Invoice No. | 20230107002 | Date | 2023.1.7 |
| NO. | Item | Standards and Requirements | | Test Results | Evaluation |
| 1 | Structure | | | | |
| 1-1 | Number Of AL Wire | 6 | | 6 | Qualified |
| 1-2 | Number Of Steel Wire | 1 | | 1 | Qualified |
| 1-3 | Diameter Of Conductor | 8.01±10% | | 8.04 | Qualified |
| 1-4 | 20℃ Max D.C Resistance | ≤0.8533 Ω/km | | 0.8365 | 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 | 6/2.67 | | 6/2.67 | Qualified |
| 3-3 | Min. Tensile Strength | 170N/mm ² | | 179 | Qualified |
| 3-4 | Resistivity at 20℃ | ≤0.028264 | | 0.027765 | Qualified |
| 3-5 | Elongation in 10 in | 1.6% | | 2.2% | Qualified |
| 4 | Steel Wire Properties | | | | |
| 4-1 | Diameter Of Steel Wire | 1/2.67 | | 1/2.67 | Qualified |

| | | | | |
|-----|-----------------------------|------------------------|------|-----------|
| 4-2 | Min. Tensile Strength | 1410N/mm ² | 1672 | Qualified |
| 4-3 | Min.stress at 1% elongation | ≥1310N/mm ² | 1443 | Qualified |
| 4-4 | Elongation | ≥3% | 6.8% | Qualified |

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