Hangzhou Easy Electric Wire and Cable Co.,LTD
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# Test Report

| Products | ABC Terrier | | Size | 1*4+4AWG | |
|---|---|---|---|---|---|
| Standard | ICEA S-76-474 | Invoice No. | 20230803002 | Date | 2023.08.03 |
| NO. | Item | Standards and Requirements | | Test Results | Evaluation |
| | **Structure** | | | | |
| 1 | **Phase Core** | | | | |
| 1-1 | Number of core | 1 | | 1 | Qualified |
| 1-2 | Conductor Structure | 7*1.96mm | | 7*1.96 | Qualified |
| 1-3 | Conductor Material | AL | | AL | Qualified |
| 1-4 | Outer Stranding Direction Of Lay | Rightward | | Rightward | Qualified |
| 1-5 | Lay Ratio | 10-14 | | 13.5 | Qualified |
| 1-6 | Conductor Dia. | 5.88mm | | 5.88 | Qualified |
| 2 | **Insulation** | | | | |
| 2-1 | Insulation Material | Weatherability-XLPE | | Weatherability-XLPE | Qualified |
| 2-2 | Color | Black | | Black | Qualified |
| 2-3 | Average Thickness Of Insulation | ≥1.14mm | | 1.21 | Qualified |
| 2-4 | Min. Thickness Of Insulation | ≥1.0mm | | 1.08 | Qualified |
| 2-5 | Surface Of Insulation | Smooth, Clean | | Smooth, Clean | Qualified |
| 2-6 | Printing Of Insulation | Printing should contains manufacturer, product and size, voltage etc. Printing should be clear, easily recognized, fastness | | Passed | Qualified |
| 3 | **ACSR Neutral line** | | | | |
| 3-1 | Steel Wire | 1*2.12mm | | 1*2.12 | Qualified |

| | | | | |
|---|---|---|---|---|
| 3-2 | AL. Wire | 6*2.12mm | 6*2.12 | Qualified |
| 3-3 | Outer Stranding Direction Of Lay | Rightward | Rightward | Qualified |
| 3-4 | Lay Ratio | 10-14 | 13.5 | Qualified |
| 3-5 | Conductor Dia. | 6.36mm | 6.37 | Qualified |
| 3-6 | Overall breaking force | 8.32KN | 8.79 | Qualified |
| 4 | **Electrical Performance** | | | |
| 4-1 | 20℃ Max D.C Resistance Of Phase Conductor | ≤ 1.3624Ω/KM | 1.3415 | Qualified |
| 4-2 | 20℃ Max D.C Resistance Of Messenger Conductor | ≤ 1.3557Ω/KM | 1.3326 | Qualified |
| 4-3 | Alternating Voltage Stress Testing （3.5kv/1min) | No Breakdown | No Breakdown | Qualified |
| 5 | **Insulation Machinery Performance** | | | |
| 5-1 | Elongation At Stress | ≤175% | 45% | Qualified |
| 5-2 | Permanent Elongation After Cooling | ≤15% | 0% | Qualified |

Tested by： Shaoqiong He　　Checked by： Guohui Xu