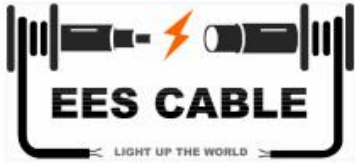


## Test Report

| 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 |
|          | <b>Structure</b>                 |   |                     |              |            |
| 1        | <b>Phase Core</b>                |   |                     |              |            |
| 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        | <b>Insulation</b>                |   |                     |              |            |
| 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        | <b>ACSR Neutral line</b>         |   |                     |              |            |
| 3-1      | Steel Wire                       | 1*2.12mm  | 1*2.12              | Qualified    |            |



# Hangzhou Easy Electric Wire and Cable Co.,LTD

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|     |   |                                  |              |           |
|-----|---|----------------------------------|--------------|-----------|
| 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   | <b>Electrical Performance</b>                   |                                  |              |           |
| 4-1 | 20°C Max D.C Resistance Of Phase Conductor      | $\leq 1.3624 \Omega / \text{KM}$ | 1.3415       | Qualified |
| 4-2 | 20°C Max D.C Resistance Of Messenger Conductor  | $\leq 1.3557 \Omega / \text{KM}$ | 1.3326       | Qualified |
| 4-3 | Alternating Voltage Stress Testing (3.5kv/1min) | No Breakdown                     | No Breakdown | Qualified |
| 5   | <b>Insulation Machinery Performance</b>         |                                  |              |           |
| 5-1 | Elongation At Stress                            | $\leq 175\%$                     | 45%          | Qualified |
| 5-2 | Permanent Elongation After Cooling              | $\leq 15\%$                      | 0%           | Qualified |

Tested by: Shaoqiong He

Checked by: Guohui Xu