



TEST REPORT

| Product name | Nylon sheathed cable | | Report number | 20230906 | |
|---------------------|--|------|--|--|------------|
| Model specification | THHN 600V 2AWG | | Inspection date | September 6,2023 | |
| Length | 3700m | | Inspection basis | Customer provides technical parameters | |
| Category | Inspection items | Unit | Customer requirements | Inspection results | Conclusion |
| Structure size | No. Conductor | No. | 7 | 7 | Qualified |
| | Conductor diameter | mm | 2.515±0.03 | 2.515 | Qualified |
| | Insulation core color | - | black | black | Qualified |
| | Average insulation thickness | mm | ≥1.02 | 1.18 | Qualified |
| | Minimum insulation thickness | mm | ≥0.89 | 1.09 | Qualified |
| | Approximate outer diameter of insulation | mm | 9.24 | 9.26 | Qualified |
| | Nylon sheath color | - | black | black | Qualified |
| | Minimum thickness nylon sheath | mm | ≥0.15 | 0.23 | Qualified |
| | Approximate outer diameter of finished product | mm | 9.7 | 9.8 | Qualified |
| Cable appearance | Logo content | - | According to the technical agreement | Conformed | |
| | Cable apparent | - | surface is smooth and uniform in color | Conformed | Qualified |
| | Printing mark | - | Complete, clear, rub-resistant | Conformed | Qualified |



| | | | | | |
|---|-------------------------------------|---------|--------------------------|-------|-----------|
| | Marker spacing | mm | Maximum of 275 | 186 | Qualified |
| electrical function | Conductor resistance of 20°C | Ω/km | ≤0.555 | 0.539 | Qualified |
| | Finished product cable voltage test | kV/5min | 2.0 kV/5min no breakdown | pass | Qualified |
| Conclusion: The test meets the requirements of technical parameters provided by customers | | | | | |

Inspector: Feng Ruxia

Review: Xu Qiang

Quality inspection Department: (seal)

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