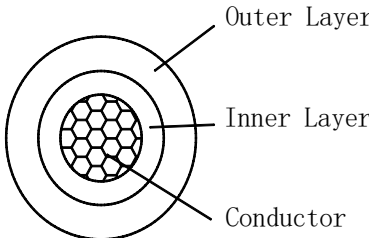


SPECIFICATION FOR APPROVAL

| 1.Construction               |                   | H1Z2Z2-K 10mm²                              |       | Revision:                                                                                                                                                             | A/0                                        | Form No. | B274 |                        |  |  |  |
|------------------------------|-------------------|---------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------|------|------------------------|--|--|--|
| Rated Voltage                |                   | 1500VDC                                     |       | CONSTRUCTION D.W.G                                                                                                                                                    |                                            |          |      |                        |  |  |  |
| Conductor                    | Cross-sectional   | 10                                          |       |                                                                                    |                                            |          |      |                        |  |  |  |
|                              | Material          | Stranded Tinned Copper                      |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              | Cond.Size         | 74/（0.40±0.02）                              |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              | Stranded OD.(mm)  | 3.92                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Inner Layer                  | Material          | XLPE                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              | Color             | Black                                       |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Outer Layer                  | Material          | XLPE                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              | Min.Thickness（mm） | 0.58                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              | Nominal Thickness | 0.80                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              | OD.(mm)           | 7.00±0.20                                   |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              | Color             | Black                                       |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| 2. Physical Properties       |                   |                                             |       | Inner and outer layer is inseparable.                                                                                                                                 |                                            |          |      |                        |  |  |  |
| Item                         |                   | Specification                               |       | 4.Marking                                                                                                                                                             |                                            |          |      |                        |  |  |  |
| Elongation                   | Un-aged           | ≥125%                                       | ≥125% | △ TÜV EN 50618 H1Z2Z2-K 1×10.0mm² WUXI XINHONGYE                                                                                                                      |                                            |          |      |                        |  |  |  |
| Strength                     |                   | ≥8Mpa                                       | ≥8Mpa | WIRE & CABLE CO., LTD R50311889                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Cold bend test               | (-40±2.0℃×16h)    | No cracking                                 |       | 5.Standard                                                                                                                                                            | EN 50618                                   |          |      |                        |  |  |  |
| Sunlight resistance          | 720h              | Elongation and strength retention rate ≥70% |       |                                                                                                                                                                       | Reference number:R50311889                 |          |      |                        |  |  |  |
| Bending radius               | ≥4×Cable OD       | PASS                                        |       | 6.Packing                                                                                                                                                             | (a) 100m.                                  |          |      |                        |  |  |  |
| Ambient temperature          |                   | -40℃ up to +90℃                             |       |                                                                                                                                                                       | (b) Consulting if delivering in other ways |          |      |                        |  |  |  |
| Content of halogen acid gas  |                   | IEC670754-1, EN50267-2-1                    |       | WUXI XINHONGYE WIRE & CABLE CO., LTD.<br>NO.17 Hexin Road,Xishan District,Wuxi,Jiangsu,China<br>TEL:86-510-68780888 FAX:86-510-68780858<br>E-mail: sales@xhycable.com |                                            |          |      |                        |  |  |  |
| Thermal endurance properties |                   | > 25years                                   |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Insulation resistance AT20℃  |                   | ≥420MΩ·km                                   |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Max. current AT60℃           |                   | 98A                                         |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Max.conductor temperature    |                   | 120℃                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Smoke emission test          | EN61034-2         | ≥60%                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Flame test                   | IEC60332-1        | PASS                                        |       | Part No.      ENTA10-01-042<br>Serial No.      001<br>Approved      赵也<br>Checked      /<br>Drawing      安夏天<br>Date      2024/7/10                                   |                                            |          |      |                        |  |  |  |
| Water Resistant              | AD8               | PASS                                        |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| 3.Electrical Properties      |                   |                                             |       |                                                                                                                                                                       |                                            |          |      | APPROVED<br>(CUSTOMER) |  |  |  |
| Item                         |                   | Specification                               |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Conductor Resistance AT 20℃  |                   | ≤1.95Ω/km                                   |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Dielectric-withstand test    |                   | 6500VAC/5min                                |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
| Spark test                   |                   | 10000VAC                                    |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |
|                              |                   |                                             |       |                                                                                                                                                                       |                                            |          |      |                        |  |  |  |