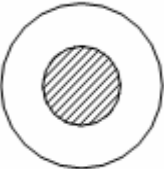






# Datasheet

|                             |                 |
|-----------------------------|-----------------|
| <b>Product Name:</b>        | UL3173 22AWG    |
| <b>Product Discription:</b> | UL3173 22AWG    |
| <b>Specification No.:</b>   | SPEC-3173-22AWG |
| <b>Customer's Name:</b>     |                 |

| Description  |                    |          |             |            | Construction                        |                              |                       |                  |               |  |                |  |                |  |
|--|--------------------|----------|-------------|------------|-------------------------------------|------------------------------|-----------------------|------------------|---------------|--|----------------|--|----------------|--|
| <b>Rated Voltage:</b>  | 600V               |          |             |            | <b>Conductor</b>                    | Stranded Tinned Copper       |                       |                  |               |  |                |  |                |  |
| <b>Rated Temperature:</b>  | 125°C              |          |             |            | <b>Size(AWG)</b>                    | 22                           |                       |                  |               |  |                |  |                |  |
| <b>Reference Standard:</b>   | UL758,UL1581       |          |             |            | <b>Construction(±0.008mm)</b>       | 17/0.16                      |                       |                  |               |  |                |  |                |  |
| Cross Section  |                    |          |             |            | <b>Stranded Dia.(mm)Ref.</b>        | 0.76                         |                       |                  |               |  |                |  |                |  |
|   |                    |          |             |            | <b>Insulation Material</b>          | XLPE                         |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Insulation Color</b>             | ANY COLOR                    |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Ave Thickness(mm)</b>            | 0.76                         |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Min Thickness(mm)</b>            | 0.69                         |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Insulation Dia.(±0.10mm)</b>     | 2.40                         |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               | <b>Insulation Dia.(±0.10mm)</b>  | 2.40           |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               | <b>Insulation Dia.(±0.10mm)</b>  | 2.40           |  |                |  |
| Marking  |                    |          |             |            | <b>Remark:</b>                      |                              |                       |                  |               |  |                |  |                |  |
| E254881  AWM STYLE 3173 22AWG 125°C 600V VW-1<br>C  AWM I A 125°C 600V FT1 -LF- ELETECK |                    |          |             |            | 8740330 Black                       |                              |                       |                  | 8740343 Green |  | 8740352 Yellow |  | 8740368 Violet |  |
|  |                    |          |             |            | 8740333 Brown                       |                              |                       |                  | 8740346 Blue  |  | 8740355 Orange |  |                |  |
|  |                    |          |             |            | 8740337 Red                         |                              |                       |                  | 8740349 White |  | 8740359 Grey   |  |                |  |
| Applications   |                    |          |             |            | Characteristics                     |                              |                       |                  |               | Customer Approve   |                |  |                |  |
| For internal wiring of electronic and electrical equipment   |                    |          |             |            | <b>Test Item</b>                    |                              | <b>Standard Value</b> |                  |               | <b>Seal &amp; Stamp</b><br><br><br><br><br><br><br><br><br><br>Signature:<br><br><br><br>Date: |                |  |                |  |
|  |                    |          |             |            | <b>Test Material</b>                |                              | XLPE(ROHS)            |                  |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Before Aging</b>                 | <b>Tensile Strength(Mpa)</b> |                       | ≥13.79           |               |  |                |  |                |  |
|  |                    |          |             |            |                                     | <b>Elongation(%)</b>         |                       | ≥300             |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Aging Conduction</b>             |                              | 158±1°C*168hrs        |                  |               |  |                |  |                |  |
|  |                    |          |             |            | <b>After Aging</b>                  | <b>Tensile Strength(Mpa)</b> |                       | ≥80% of original |               |  |                |  |                |  |
|  |                    |          |             |            |                                     | <b>Elongation(%)</b>         |                       | ≥80% of original |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Max.DC Resistance(20°C Ω/km)</b> |                              | 59.4                  |                  |               |  |                |  |                |  |
|  |                    |          |             |            | <b>Flammability Test</b>            |                              | VW-1                  |                  |               |  |                |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               |  |                |  |                |  |
| Revisions  |                    |          |             |            |                                     |                              |                       |                  |               |  |                |  |                |  |
| Version  | Description        | Drawn by | Approved by | Date       |                                     |                              |                       |                  |               |  |                |  |                |  |
| 0  | New document issue | YanBin   | David Lin   | 14/04/2015 |                                     |                              |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               |  |                |  |                |  |
|  |                    |          |             |            |                                     |                              |                       |                  |               |  |                |  |                |  |