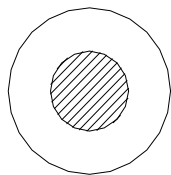




## Datasheet

|                      |                   |
|----------------------|-------------------|
| Product Name:        | UL1569 24AWG      |
| Product Discription: | UL1569 24AWG      |
| Specification No.:   | SPEC-UL1569-24AWG |
| Customer's Name:     |                   |

| Description                                                                                                                                                                                                                                            |                    |              |               |            | Construction                       |                       |                        |                  |                  |  |                             |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|---------------|------------|------------------------------------|-----------------------|------------------------|------------------|------------------|--|-----------------------------|-------|
| Rated Voltage:                                                                                                                                                                                                                                         |                    | 300V         |               |            | Conductor                          |                       | Stranded Tinned Copper |                  |                  |  |                             |       |
| Rated Temperature:                                                                                                                                                                                                                                     |                    | 105℃         |               |            | Size(AWG)                          |                       | 24                     |                  |                  |  |                             |       |
| Reference Standard:                                                                                                                                                                                                                                    |                    | UL758,UL1581 |               |            | Construction(±0.008mm)             |                       | 11/0.16                |                  |                  |  |                             |       |
| Cross Section                                                                                                                                                                                                                                          |                    |              |               |            | Stranded Dia.(mm)Ref.              |                       | 0.61                   |                  |                  |  |                             |       |
|                                                                                                                                                                       |                    |              |               |            | Insulation Material                |                       | PVC                    |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Insulation Color                   |                       | ANY COLOR              |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Ave Thickness(mm)                  |                       | 0.38                   |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Min Thickness(mm)                  |                       | 0.33                   |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Insulation Dia.(±0.08mm)           |                       | 1.43                   |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            |                                    |                       |                        |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            |                                    |                       |                        |                  |                  |  |                             |       |
| Marking                                                                                                                                                                                                                                                |                    |              |               |            | Remark:                            |                       |                        |                  |                  |  |                             |       |
| E254881  AWM STYLE 1569 24AWG 105℃ 300V VW-1<br>C  AWM I A 105℃ 300V FT1 -LF- ELETECK |                    |              |               |            | 8840907 Brown      8840913 Grey    |                       |                        |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | 8840904 Orange      8840900 Yellow |                       |                        |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | 8840916 Violet                     |                       |                        |                  |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            |                                    |                       |                        |                  |                  |  |                             |       |
| Applications                                                                                                                                                                                                                                           |                    |              |               |            | Characteristics                    |                       |                        |                  | Customer Approve |  |                             |       |
| Internal wiring of appliances or electronic equipment where not subjected to movement or mechanical damage.                                                                                                                                            |                    |              |               |            | Test Item                          |                       |                        | Standard Value   |                  |  | <div>Seal &amp; Stamp</div> |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Test Material                      |                       |                        | PVC(ROHS)        |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Before Aging                       | Tensile Strength(Mpa) |                        | ≥10.3            |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            |                                    | Elongation(%)         |                        | ≥100             |                  |  |                             |       |
| Aging Conduction                                                                                                                                                                                                                                       |                    |              | 136±2℃*168hrs |            |                                    |                       |                        |                  |                  |  |                             |       |
| Revisions                                                                                                                                                                                                                                              |                    |              |               |            | After Aging                        | Tensile Strength(Mpa) |                        | ≥70% of original |                  |  | Signature:                  |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            |                                    | Elongation(%)         |                        | ≥65% of original |                  |  |                             |       |
| Version                                                                                                                                                                                                                                                | Description        | Drawn by     | Approved by   | Date       | Deformation(121±1℃*250g)           |                       |                        | ≤50%             |                  |  |                             | Date: |
| 0                                                                                                                                                                                                                                                      | New document issue | YanBin       | David Lin     | 17/06/2015 | Cold Bend(-10±1℃*4hrs)             |                       |                        | No crack         |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Heat Shock(121±1℃*1hr)             |                       |                        | No crack         |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Max.DC Resistance(20℃ Ω/km)        |                       |                        | 94.2             |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Dielectric Strength(kv/min)        |                       |                        | 2.0              |                  |  |                             |       |
|                                                                                                                                                                                                                                                        |                    |              |               |            | Flammability Test                  |                       |                        | VW-1             |                  |  |                             |       |