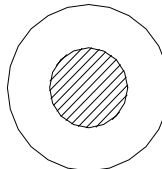




|                             |                   |
|-----------------------------|-------------------|
| <b>Product Name:</b>        | UL1007 28AWG      |
| <b>Product Discription:</b> | UL1007 28AWG      |
| <b>Specification No.:</b>   | SPEC-UL1007-28AWG |
| <b>Customer's Name:</b>     |                   |

| Description                                                                                                                                                                                                                                               |                       |              |                  |       | Construction                |                       |                        |                |                |                  |                                                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|------------------|-------|-----------------------------|-----------------------|------------------------|----------------|----------------|------------------|--------------------------------------------------------------------|--|
| Rated Voltage:                                                                                                                                                                                                                                            |                       | 300V         |                  |       | Conductor                   |                       | Stranded Tinned Copper |                |                |                  |                                                                    |  |
| Rated Temperature:                                                                                                                                                                                                                                        |                       | 80℃          |                  |       | Size(AWG)                   |                       | 28                     |                |                |                  |                                                                    |  |
| Reference Standard:                                                                                                                                                                                                                                       |                       | UL758,UL1581 |                  |       | Construction(±0.008mm)      |                       | 7/0.127                |                |                |                  |                                                                    |  |
| Cross Section                                                                                                                                                                                                                                             |                       |              |                  |       | Stranded Dia.(mm)Ref.       |                       | 0.38                   |                |                |                  |                                                                    |  |
|                                                                                                                                                                          |                       |              |                  |       | Insulation Material         |                       | PVC                    |                |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Insulation Color            |                       | ANY COLOR              |                |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Ave Thickness(mm)           |                       | 0.38                   |                |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Min Thickness(mm)           |                       | 0.33                   |                |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Insulation Dia.(±0.05mm)    |                       | 1.20                   |                |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       |                             |                       |                        |                |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       |                             |                       |                        |                |                |                  |                                                                    |  |
| Marking                                                                                                                                                                                                                                                   |                       |              |                  |       | Remark:                     |                       |                        |                |                |                  |                                                                    |  |
| E254881  AWM STYLE 1007 28AWG 80℃ 300V VW-1<br>C  AWM I A 80℃ 300V FT1 -LF- -F- ELETECK |                       |              |                  |       | 8740365 Brown               |                       | 8740377 Blue           |                | 8740387 Orange |                  | 8740399 Violet                                                     |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | 8740371 White               |                       | 8740380 Green          |                | 8740361 Black  |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | 8740374 Red                 |                       | 8740383 Yellow         |                | 8740396 Grey   |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Characteristics             |                       |                        |                |                | Customer Approva |                                                                    |  |
| Applications<br>For internal wiring of electronic and electrical equipment                                                                                                                                                                                |                       |              |                  |       | Test Item                   |                       |                        | Standard Value |                |                  | <div>Seal &amp; Stamp</div> <div>Signature:</div> <div>Date:</div> |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Test Material               |                       |                        | PVC(ROHS)      |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Before Aging                | Tensile Strength(Mpa) |                        | ≥10.3          |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       |                             | Elongation(%)         |                        | ≥100           |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Aging Conduction            |                       |                        | 113±2℃*168hrs  |                |                  |                                                                    |  |
| After Aging                                                                                                                                                                                                                                               | Tensile Strength(Mpa) |              | ≥70% of original |       |                             |                       |                        |                |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           | Elongation(%)         |              | ≥65% of original |       |                             |                       |                        |                |                |                  |                                                                    |  |
| Revisions                                                                                                                                                                                                                                                 |                       |              |                  |       | Deformation(121±1℃*250g)    |                       |                        | ≤50%           |                |                  |                                                                    |  |
| Version                                                                                                                                                                                                                                                   | Description           | Drawn by     | Approved by      | Date  | Cold Bend(-10±1℃*4hrs)      |                       |                        | No crack       |                |                  |                                                                    |  |
| 0                                                                                                                                                                                                                                                         | New document issue    | YanBin       | David Lin        | ##### | Heat Shock(121±1℃*1hr)      |                       |                        | No crack       |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Max.DC Resistance(20℃ Ω/km) |                       |                        | 239            |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Dielectric Strength(kv/min) |                       |                        | 2.0            |                |                  |                                                                    |  |
|                                                                                                                                                                                                                                                           |                       |              |                  |       | Flammability Test           |                       |                        | VW-1           |                |                  |                                                                    |  |