



## China Sanew Cable Co., Ltd.

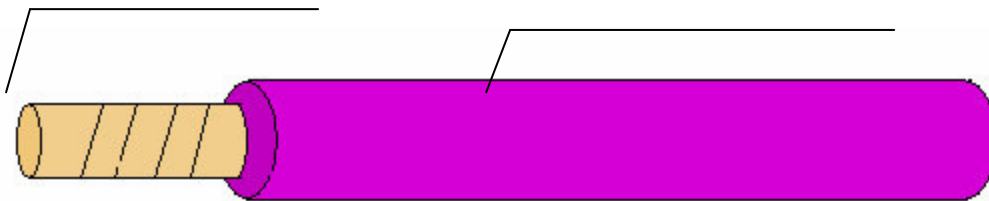
### UL1331 High Temperature FEP Insulated Wire

|   |   |
|---|---|
| <p>Product Features:</p> <p>UL1331 High Temperature FEP Insulated Wire is resistant to acids, alkalies, oils, flame retardant, fire, and low smoke, no halogen. And the conductor is solid or stranded silver-plated copper or tinned copper conductor, 10 ~ 36 AWG. The insulation is color-coded FEP which has standard thickness, and is easy stripping and cutting.</p> | <p>The applications:</p> <p>UL1331 High Temperature FEP Insulated Wire is widely applied in aviation; metallurgy and petroleum industry as well as applied in other products such as: electronic instrument &amp; device, electrical appliance, leads for transformer &amp; electrical motor.</p> |
|---|---|

#### Silver-plated copper

#### Or tinned copper

#### FEP Teflon Insulation



#### TECHNICAL DATA:

|                             |  |
|-----------------------------|--|
| <b>Conductor:</b>           | <b>Silver-plated Copper or Tinned copper</b> |
| <b>Insulation:</b>          | <b>FEP</b>                                   |
| <b>Temperature Rating:</b>  | <b>-80°C to +150°C</b>                       |
| <b>Operating Voltage:</b>   | <b>600V</b>                                  |
| <b>Conductor stranding:</b> | <b>Please look the next page.</b>            |
| <b>Color Code</b>           | <b>According to clients</b>                  |
| <b>Approvals:</b>           | <b>According to VDE, UL</b>                  |

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### UL1331 High Temperature FEP Insulated Wire

| Size<br>AWG | Conductor                         |                           | Insulation               |                      | Maximum<br>Resistance<br>at 20°C Ω/km |
|-------------|-----------------------------------|---------------------------|--------------------------|----------------------|---------------------------------------|
|             | Conductor<br>stranding<br>No. /mm | Conductor<br>Dia.<br>(mm) | Nominal<br>Thick<br>(mm) | Nominal Dia.<br>(mm) |                                       |
| 36          | 1/0.14                            | 0.14                      | 0.20                     | 0.48±0.05            | 997                                   |
| 34          | 1/0.16                            | 0.16                      | 0.20                     | 0.50±0.08            | 758                                   |
| 32          | 1/0.20                            |                           |                          |                      |                                       |
|             | 7/0.08                            | 0.20                      | 0.20                     | 0.52±0.08            | 586                                   |
| 30          | 1/0.25                            | 0.25                      |                          | 0.65±0.08            |                                       |
|             | 7/0.10                            | 0.30                      | 0.20                     | 0.70±0.08            | 408                                   |
| 28          | 1/0.32                            | 0.32                      |                          | 0.82±0.08            |                                       |
|             | 7/0.12                            | 0.35                      | 0.25                     | 0.85±0.08            | 213                                   |
| 26          | 1/0.40                            | 0.40                      |                          |                      |                                       |
|             | 7/0.15                            | 0.45                      | 0.35                     | 1.10±0.08            | 138                                   |
| 24          | 1/0.50                            | 0.50                      |                          | 1.20±0.08            |                                       |
|             | 7/0.20                            | 0.60                      | 0.35                     | 1.30±0.08            | 90.4                                  |
| 22          | 7/0.254                           | 0.76                      |                          |                      |                                       |
|             | 19/0.16                           | 0.80                      | 0.35                     | 1.45±0.11            | 50.8                                  |
| 20          | 19/0.19                           | 0.95                      | 0.35                     | 1.65±0.11            | 33.6                                  |
| 18          | 19/0.24                           | 1.20                      | 0.35                     | 1.85±0.11            | 24.6                                  |
| 16          | 19/0.30                           | 1.50                      | 0.40                     | 2.30±0.16            | 16.6                                  |
| 14          | 19/0.37                           | 1.85                      | 0.40                     | 2.65±0.16            | 9.5                                   |
| 12          | 19/0.49                           | 2.60                      | 0.45                     | 3.50±0.20            | 5.7                                   |
| 10          | 37/0.45                           | 3.15                      | 0.50                     | 4.15±0.20            | 3.64                                  |

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