



# China Sanew Cable Co., Ltd.

## UL1199 High Temperature PTFE/TFE Insulated Wire

### Product Features:

UL1199 High Temperature PTFE/TFE 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 PTFE/TFE which has standard thickness, and is easy stripping and cutting.

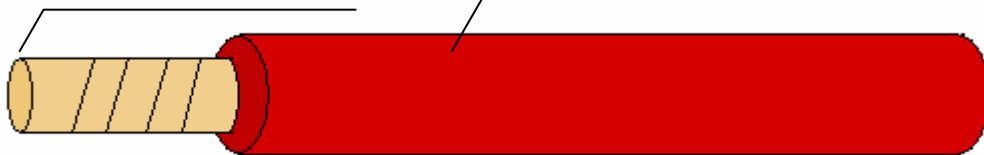
### The applications:

UL1199 High Temperature PTFE/TFE Insulated Wire is widely applied in aviation; metallurgy and petroleum industry as well as applied in other products such as: electronic instrument & device, electrical appliance, leads for transformer & electrical motor.

Silver-plated copper

Or tinned copper

PTFE/TFE Teflon Insulation



### TECHNICAL DATA:

**Conductor:**

Silver-plated Copper or Tinned copper

**Insulation:**

PTFE/TFE

**Temperature Rating:**

-80℃ to +200℃

**Operating Voltage:**

600V

**Conductor stranding:**

Please look the next page.

**Color Code**

According to clients

**Approvals:**

According to VDE, UL



# China Sanew Cable Co., Ltd.

## UL1199 High Temperature PTFE/TFE Insulated Wire

| Size<br>AWG | Conductor                        |                          | Insulation    |                        | Maximum<br>Resistance<br>at 20°CΩ/km |
|-------------|----------------------------------|--------------------------|---------------|------------------------|--------------------------------------|
|             | Conductor<br>Stranding<br>No./mm | Conductor<br>Dia<br>(mm) | Nominal Thick | Nominal Dia.           |                                      |
| 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<br>7/0.08                 | 0.20                     | 0.20          | 0.52±0.08              | 586                                  |
| 30          | 1/0.25<br>7/0.10                 | 0.25<br>0.30             | 0.20          | 0.65±0.08<br>0.70±0.08 | 408                                  |
| 28          | 1/0.32<br>7/0.12                 | 0.32<br>0.35             | 0.25          | 0.82±0.08<br>0.85±0.08 | 213                                  |
| 26          | 1/0.40<br>7/0.15                 | 0.40<br>0.45             | 0.35          | 1.10±0.08              | 138                                  |
| 24          | 1/0.50<br>7/0.20                 | 0.50<br>0.60             | 0.35          | 1.20±0.08<br>1.30±0.08 | 90.4                                 |
| 22          | 7/0.254<br>19/0.16               | 0.76<br>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                                 |