



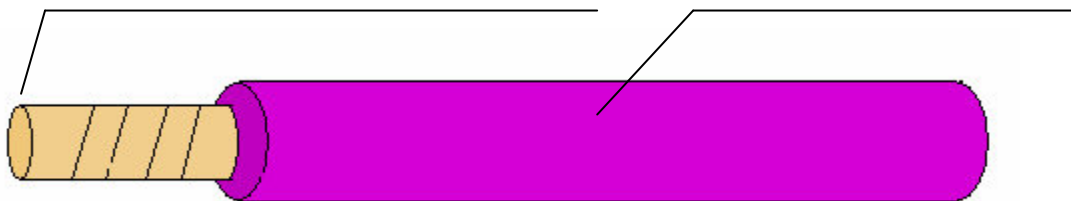
## China Sanew Cable Co., Ltd.

### UL1591 High Temperature FEP Insulated Wire

<p><b>Product Features:</b> UL1591 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><b>The applications:</b> UL1591 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>
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**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>300V</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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## UL1591 High Temperature FEP Insulated Wire

Size AWG	Conductor		Insulation		Maximum Resistance at 20°C Ω /km	Current 170 °C-AMR
	Conductor stranding No. /mm	Conductor Dia. (mm)	Nominal Thick (mm)	Nominal Dia. (mm)		
36	1/0.14					
	7/0.05	0.14	0.20	0.50±0.05	997	0.3
34	1/0.16	0.16				
	7/0.06	0.18	0.20	0.52±0.08	758	0.4
32	1/0.20	0.20				
	7/0.08	0.24	0.20	0.55±0.08	586	0.6
30	1/0.254	0.25				
	7/0.10	0.30	0.20	0.60±0.08	408	0.8
28	1/0.32	0.32		0.82±0.08	232	
	7/0.12	0.39	0.25	0.85±0.08	223	1.0
26	1/0.40	0.40			145	
	7/0.16	0.45	0.25	0.95±0.08	138	1.6
24	1/0.50	0.50		1.10±0.08		
	7/0.20	0.60	0.31	1.20±0.08	90.4	3.0
22	1/0.64	0.64		1.25±0.11		
	7/0.254	0.76		1.40±0.11		
	19/0.16	0.80	0.31	1.40±0.11	50.8	5.0
20	1/0.80	0.80		1.40±0.11		
	7/0.32	0.96		1.60±0.11		
	19/0.19	0.95	0.31	1.60±0.11	33.6	7.0
18	1/1.0	1.0		1.78±0.11		
	7/0.40	1.20		1.80±0.11		
	19/0.24	1.20	0.31	1.80±0.11	24.6	11
16	19/0.30	1.50	0.35	2.20±0.16	16.6	18
14	19/0.37	1.85	0.35	2.55±0.16	9.5	22
12	19/0.49	2.60	0.35	3.30±0.20	5.7	30
10	37/0.45	3.15	0.35	3.85±0.20	3.95	45

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