

## UL 1199



**Construction: Conductors:** Solid or stranded silver plated annealed copper. **Insulation:** Polytetrafluoroethylene (PTFE).

For use in internal wiring of electronic equipment and appliances. TFE lead wires have a low coefficient of friction for easy handling. TFE insulation also resists hot soldering irons, is self-extinguishing, non-flammable, has excellent chemical resistance and is suitable for immersion in gasoline.

**Features:**

- Excellent high temperature and flame resistant
- Very oil resistant
- Chemical resistant
- Low friction for easy installation

**Technical Data:**

- Temperature:** 200°C
- Rated Voltage:** 600V
- Color Code:** Replace the X  
0-Black, 1-Brown, 2-Red, 3-Orange,  
4-Yellow, 5-Green, 6-Blue, 7-Violet,  
8-Gray, 9-White, 54-Green/Yellow

**Approvals:**  
UL 1199  
CSA Class I A/B FT1



Part Number	AWG	Stranding	Insulation Thickness (mils)	Nominal Outer Diameter Inches	Part Number	AWG	Stranding	Insulation Thickness (mils)	Nominal Outer Diameter Inches
1199-30-1-X	30	1	20	.050	1199-22-7-X	22	7	20	.070
1199-30-7-X	30	7	20	.052	1199-22-19-X	22	19	20	.070
1199-28-1-X	28	1	20	.053	1199-20-1-X	20	1	20	.072
1199-28-7-X	28	7	20	.055	1199-20-7-X	20	7	20	.078
1199-28-19-X	28	19	20	.055	1199-20-19-X	20	19	20	.078
1199-26-1-X	26	1	20	.056	1199-18-1-X	18	1	20	.080
1199-26-7-X	26	7	20	.059	1199-18-7-X	18	7	20	.088
1199-26-19-X	26	19	20	.059	1199-18-19-X	18	19	20	.087
1199-24-1-X	24	1	20	.060	1199-16-19-X	16	19	20	.096
1199-24-7-X	24	7	20	.064	1199-14-19-X	14	19	20	.109
1199-24-19-X	24	19	20	.063	1199-12-19-X	12	19	20	.128
1199-22-1-X	22	1	20	.065	1199-10-37-X	10	37	20	.154

## UL 1180



**Construction: Conductors:** Solid or stranded silver plated annealed copper. **Insulation:** Polytetrafluoroethylene (PTFE).

For use in internal wiring of electronic equipment and appliances. TFE lead wires have a low co-efficient of friction for easy handling. TFE insulation also resists hot soldering irons, is self-extinguishing, non-flammable, has excellent chemical resistance and is suitable for immersion in gasoline.

**Features:**

- Excellent high temperature & flame resistant
- Very oil resistant
- Chemical resistant
- Low friction for easy installation

**Technical Data:**

- Temperature:** 200°C
- Rated Voltage:** 300V
- Color Code:** Replace the X  
0-Black, 1-Brown, 2-Red, 3-Orange,  
4-Yellow, 5-Green, 6-Blue, 7-Violet,  
8-Gray, 9-White, 54-Green/Yellow

**Approvals:**  
UL 1180  
CSA Class I A/B FT1



Part Number	AWG	Stranding	Insulation Thickness (mils)	Nominal Outer Diameter Inches	Part Number	AWG	Stranding	Insulation Thickness (mils)	Nominal Outer Diameter Inches
1180-28-1-X	28	1	13	.039	1180-22-19-X	22	19	13	.056
1180-28-7-X	28	7	13	.041	1180-20-1-X	20	1	13	.048
1180-28-19-X	28	19	13	.041	1180-20-7-X	20	7	13	.064
1180-26-1-X	26	1	13	.042	1180-20-19-X	20	19	13	.064
1180-26-7-X	26	7	13	.045	1180-18-1-X	18	1	13	.066
1180-26-19-X	26	19	13	.045	1180-18-7-X	18	7	13	.074
1180-24-1-X	24	1	13	.046	1180-18-19-X	18	19	13	.073
1180-24-7-X	24	7	13	.050	1180-16-19-X	16	19	13	.082
1180-24-19-X	24	19	13	.049	1180-14-19-X	14	19	13	.195
1180-22-1-X	22	1	13	.049	1180-12-19-X	12	19	13	.114
1180-22-7-X	22	7	13	.056	1180-10-37-X	10	37	13	.140