

PTFE Hook Up Wire



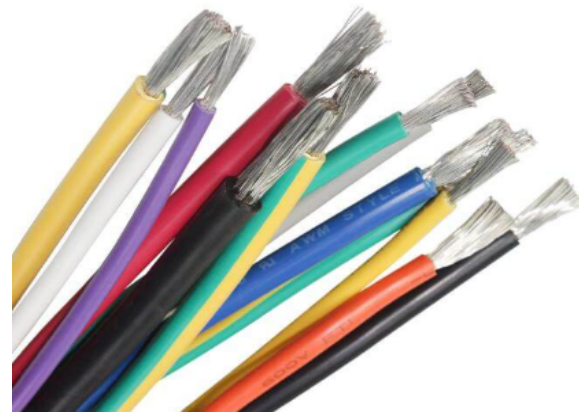
Construction

Conductor: Silver-plated copper or nickel-plated copper

Insulation: PTFE (polytetrafluoroethylene)

Applications

PTFE wire is suitable for wiring in high-temperature and chemically aggressive environments. Widely used in electric heating elements, chemical processing equipment, and precision electronics requiring low signal loss and excellent resistance to aging, UV, and moisture.



Standards

UL1213

UL1330

UL1331

UL1333

UL1180

UL1199

MIL-W-16878 (NEMA HP3)

ASTM B298: Silver-coated copper 200°C

ASTM B355: Nickel-coated copper 260°C

Specification

Nominal temperature ratings	-60°C to 260°C
Fire resistance	Excellent
Chemical resistance	Excellent
UV resistance	Excellent
Durability	Good
Flexibility	Fair

Technical Data

AWG	Conductor Construction No./ dia.(mm)	Diameter (mm)	Insulation Thickness(mm)	Out Diameter (mm)	Max.Conductor Resistance DC 20 °C /km	Packing m/coil
36	7/0.05	0.15	0.085	0.32	1900	305
34	7/0.064	0.19	0.075	0.34	900	305
34	19/0.04	0.2	0.07	0.34	900	
32	7/0.08	0.24	0.065	0.38	588.85	305
32	19/0.05	0.25	0.1	0.38	588.85	
30	7/0.1	0.3	0.1	0.5	381	305
30	19/0.06	0.3	0.12	0.5	381	
28	7/0.127	0.38	0.12	0.62	239	305
26	7/0.16	0.48	0.16	0.72	150	305
24	7/0.2	0.6	0.2	0.92	94.2	305
22	7/0.254	0.76	0.2	1.16	59.4	610
20	7/0.32	0.96	0.2	1.36	36.7	610
18	19/0.235	1.18	0.2	1.58	23.2	610
16	19/0.3	1.5	0.2	1.9	14.2	610