

PFA Wire for High Temperature



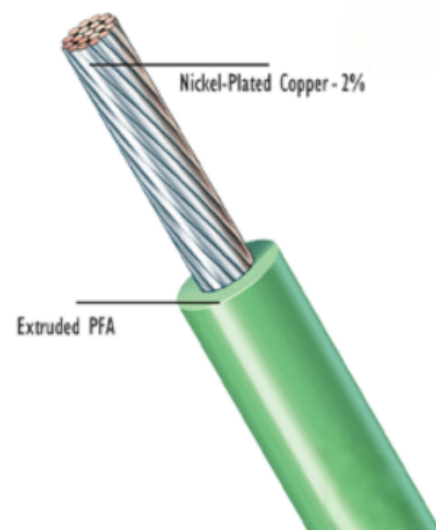
Construction

Conductor: Tinned copper or nickel-plated copper

Insulation: PFA (perfluoroalkoxy)

Applications

PFA (Perfluoroalkoxy) wire combines the superior thermal performance of PTFE with the mechanical toughness and long-length extrudability of FEP. Rated for continuous operation up to + 250°C, it offers exceptional chemical inertness, low friction, and stable dielectric properties across a wide frequency range. It is the ideal solution for downhole oil & gas instrumentation, aerospace sensor wiring, semiconductor manufacturing equipment, and medical electronics.



Standards

UL758

NFPA 79

IEC 60584

ROHS

Specification

Nominal temperature ratings	-60°C to 250°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