

Teflon PTFE wire AFR250

Applications;

Teflon PTFE wire AFR250 is used in applications that require strong heat resistance and reliable electrical insulation. It is commonly used in industrial heating equipment, automotive engine wiring, and electronic devices where high temperatures are present. It is also suitable for household appliances such as ovens, microwaves, and heaters, as well as laboratory and chemical equipment, because the PTFE insulation can withstand heat, moisture, and many chemicals.

Technical Data

Conductor
Silver or Nickel Copper

Colour

○ White ● Blue ● Red
● Black ● Brown ● Yellow

Insulation
PTFE TEFLON (Wrapping)

Temperature Rating
-60°C to +250°C

● Green ● Transparent

Voltage Rating Uo/U
125V / 300V / 600V

Insulator: PTFE TEFLON (Wrapping)

Conductor

Product Parameter

Conductor			Insulation			Outer Diameter			Electrical Properties
Sectional Area mm ²	Conductor Construction NO.XΦmm	Diameter mm	125V	300V	600V	125V	300V	600V	Max. Conductor Resistance DC 20°C Ω/km
0.013	7 x 0.05	0.15	0.10	0.15	0.25	0.38	0.48	0.70	1345
0.035	7 x 0.08	0.24	0.10	0.15	0.25	0.45	0.55	0.80	525
0.05	10 x 0.08	0.29	0.10	0.15	0.25	0.50	0.60	0.80	370
0.06	7 x 0.10	0.30	0.10	0.15	0.25	0.50	0.60	0.85	330
0.07	14 x 0.08	0.35	0.10	0.15	0.25	0.60	0.70	0.90	260
0.08	7 x 0.12	0.36	0.10	0.15	0.25	0.60	0.70	0.90	227
0.10	19 x 0.07								
0.10	7 x 0.14	0.42	0.10	0.15	0.25	0.65	0.75	0.95	188
0.12	21 x 0.08								
0.12	24 x 0.08	0.45	0.10	0.15	0.25	0.70	0.80	1.00	165
0.14	7 x 0.16	0.50	0.10	0.15	0.25	0.70	0.80	1.00	150
0.20	30 x 0.08								
0.20	19 x 0.12	0.60	0.10	0.15	0.25	0.82	0.90	1.10	90.4
0.35	70 x 0.08								
0.35	19 x 0.16	0.80		0.15	0.25		1.10	1.30	53.1
0.50	40 x 0.08								
0.50	19 x 0.16	0.90		0.15	0.25		1.10	1.30	53.1
0.75	105 x 0.08								
0.75	19 x 0.23	1.15		0.20	0.30		1.55	1.75	22.7
1.00	19 x 0.26	1.30		0.20	0.30		1.70	1.90	19
1.20	19 x 0.28	1.40		0.20	0.30		1.85	2.00	15.3
1.50	19 x 0.32	1.60		0.20	0.30		2.00	2.20	11.7
2.00	19 x 0.37	1.85		0.20	0.30		2.30	2.45	9.45
2.50	19 x 0.41	2.34			0.30			2.95	6.36
4.00	49 x 0.26								
4.00	49 x 0.32	1.88			0.30			3.50	4.51



Manufacture:
PTFE Tapes & Film (For Cable) | ePTFE Low Density PTFE Tapes & Film
Unsintered PTFE Tapes & Film | Skived PTFE Tapes & Film
PTFE wire & Cable | Mirco Teflon Wire & Cable
Mirco Coaxial Cable

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