AFR250

产品结构

- 实芯或绞合镀银铜线
- 聚四氟乙烯薄膜缠绕绝缘

技术数据

- 温度范围: -60~+250°C
- 额定电压: U0/U 250V、300V、600V
- 测试电压: 1500V,2000V
- 绝缘体积电阻率: $10^{13}\Omega \cdot cm$

产品特性

- 具有良好的柔软性，耐弯折，绝缘采用绕包形式，无开裂风险，使用更安全，使用寿命更长；优异的耐老化和耐化学品性，不受腐蚀性的化学试剂侵蚀；阻燃性能优异，满足 UL1581 中 VW-1 及 IEC60332 的阻燃标准；绝缘经绕包后进行高温烧结，使绝缘包裹搭接处黏连在一起，具有防水防潮的能力，使用更安全，经验证，浸水电压试验不击穿
- 不含有害物质，符合 ROHS 标准

应用范围

电机行业、航空航天、照明器材、家用电器、汽车行业、温度测控、仪器仪表

Product Structures

- Solid or stranded silver-plated copper conductor
- PTFE (Polytetrafluoroethylene) tape-wrapped insulation

Technical Data

- Temperature range: -60°C to +250°C
- Rated voltage: U0/U 250V, 300V, 600V
- Test voltage: 1500V, 2000V
- Insulation volume resistivity: $10^{13}\Omega \cdot cm$

Product Features

- Superior flexibility & bend resistance: Tape-wrapped insulation eliminates cracking risks, ensuring safety and extended service life.
- Exceptional aging/chemical resistance: Withstands highly corrosive chemicals.
- Flame-retardant: Compliant with UL 1581 VW-1 and IEC 60332 flame standards.
- Waterproof design: High-temperature sintered insulation tape seams provide moisture/water resistance; passes immersion voltage tests without breakdown.
- Eco-Friendly: ROHS compliant

Applications

Electric motors · Aerospace · Lighting equipment · Household appliances · Automotive industry · Temperature sensing & control · Instrumentation

技术参数 Technical Parameters

标称截面 Nominal cross section (mm^2)	导体结构 根数 / 线径 Conductor construction: Number/ size (mm)	绝缘厚度 Insulation thickness (mm)	平均外径 Average outer diameter (mm)	20°C时导体直流电阻 Max(Ω/km) The maximum resistance value of the conductor at 20°C (Ω/km)	包装长度 The length of package (m)
0.035	7/0.08	0.15	0.52	525	500
0.07	14/0.08	0.15	0.62	245	500
0.10	21/0.08	0.15	0.70	227	500
0.12	24/0.08	0.15	0.75	175	500
0.15	30/0.08	0.15	0.80	150	500
0.20	42/0.08	0.15	0.95	83.5	200
0.35	75/0.08	0.15	1.20	49.5	200
0.50	105/0.08	0.15	1.25	36	200
0.75	150/0.08	0.15	1.50	24	200
1.00	200/0.08	0.20	1.70	19	200
2.00	400/0.08	0.20	2.30	9.6	200