

UNSHIELDED HIGH VOLTAGE / WIDE TEMPERATURE RANGE PFA WIRE 2kV_{DC} / AWG26 - AWG24 - INTERNAL USE

FEATURES

- Operating Temperature: -100°C up to +250°C
- PFA Dielectric
- High Flexibility
- 26 AWG - 24 AWG Conductors
- Silver Plated or Nickel Plated Stranded Copper Wires
- Resistant to UV, Ozone, Weather and Oil
- RoHS Compliant

TYPICAL APPLICATIONS

- Wiring in Hot or Cold Environment
- Wiring in Abrasive Environment, eg. Moisture or Chemicals
- Wiring in Confined Spaces

Perfluoroalkoxy Alkane (PFA) offers an excellent combination of properties that are similar to those of polytetrafluoroethylene (PTFE). PFA wires have better anti-stick properties and higher chemical resistance. They are preferred when extended service is required in hostile environments involving chemical, thermal, and mechanical stress. Compared to FEP, they are more capable to withstand repeated bending without fracture.

The HPA series includes unshielded high voltage wires with conductor made of stranded copper wires and PFA dielectric. The copper wires are silver plated or nickel plated, resulting in two different operating temperature ranges: up to 205°C or 250°C respectively.

TECHNICAL DATA

Rated Voltage	2kV _{DC}	
Test Voltage	4kV _{DC}	
Conductor ..-AG-.. types	Silver plated stranded copper wires	
Conductor ..-NI-.. types	Nickel plated stranded copper wires	
Dielectric	PFA	
min. Bend Radius	8 * Outer Diameter	(moving)
	4 * Outer Diameter	(fixed installation)
Operating Temperature ..-AG-.. types	-100°C - +205°C	(fixed installation)
Operating Temperature ..-NI-.. types	-100°C - +250°C	(fixed installation)
RoHS Compliant	Yes	

TYPE OVERVIEW

TYPE	RATED VOLTAGE [kV _{DC}]	SIZE [AWG]	STRANDS [n/AWG]	CONDUCTOR PLATING	OUTER DIAMETER [mm]
HPA-0226-7-AG-0	2	26	7/34	Ag	1.30 ±0.10
HPA-0224-19-AG-0	2	24	19/36	Ag	3.10 ±0.15
HPA-0224-19-NI-0	2	24	19/36	Ni	3.10 ±0.15

Other conductor constructions are available on request

