

CHARACTER:

1. Physical performance

- a、 Good mechanical properties
- b、 Good resistance to high temperature, low temperature resistance
- c、 Often period using temperature -80~ 260 °C
- d、 Good corrosion resistance
- e、 Good resistance to climate
- f、 Good lubricity (Minimum friction coefficient)
- g、 Melting temperature of 305 °C
- h、 The highest temperature of 285 °C to use
- i、 Good flame retardancy
- j、 The high density of 2.13~2.167g/cm³
- k、 Molding shrinkage 3.1 ~ 7.7%
- l、 Excellent resistance to radiation

2. Electrical Properties

- a、 Electrical insulation good
- b、 Has the very high resistivity

3. Processing properties

- a、 Use half extrusion processing
- b、 Good wire processing performance
- c、 In the process of wire processing good compatibility
- d、 According to VDE standard design

4. Environmental protection

- a、 ROHS/REACH compliant
- b、 nonhazardous

SHOULD BE USED:

For general purchase internal wiring of appliances and electronic equipments lead wires of motors and lamps where exposed to temperatures not Exceeding 250°C.

REFERENCE:

DIN VDE 0250 Teil 106: 1982-10

Outline:



Wire structure description:
 Conductor: Nickel/silver plating copper conductor; strands twisted
 Insulation materials: PFA Insulation

Electrical equipment internal or transformer motor with lead, conductor temperature of 250 °C of PFA insulated cables N51YAF-8194
 Rated temperature: -60~250°C rated voltage: 300/500V

Part No.	Standard AWG	Construction Conductor Dia.(mm)	Conductor resistance 20°C (Ω/Km)	Conductor Dia.(mm)	jacket thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
N51YA F 8194	26	7/0.16	150	0.50	0.30	0.25	1.10	±0.10
	24	7/0.20	94.2	0.61	0.30	0.25	1.21	±0.10
	22	19/0.15	59.4	0.76	0.30	0.25	1.36	±0.10
	20	19/0.19	36.7	0.96	0.30	0.25	1.56	±0.10
	18	19/0.235	23.2	1.18	0.30	0.25	1.78	±0.10
	16	19/0.287	14.6	1.45	0.30	0.25	2.05	±0.10
	14	19/0.361	8.96	1.82	0.35	0.30	2.52	±0.10
	12	19/0.47	5.64	2.36	0.40	0.30	3.16	±0.15
	10	19/0.60	3.546	3.02	0.40	0.30	3.82	±0.15

Marking:

VDE-REG-NR.8194 NO.AWG 300/500V QIFURUI

SAE COLOR SERIES

* STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET

PACKAGE

*PACKAGE				
Part No.	Packing- FT/roll			3F
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	

According to customer requirements for packaging packaging