

CHARACTER:

1.Physical performance

a、 excellent mechanical properties:

Tensile strength ≥20.7MPa, elongation at break ≥200%

After aging:

Condition: 260 ± 1.0°C / 96H

Tensile strength residual rate ≥85% elongation at break ≥85%

b、 Flame retardancy: VW-1, vertical combustion, burning 15 times, each time 15S, any residual flame is not more than 60S.

c、 Low temperature bending: -10°C ± 2°C, no crack on the surface of the sample is qualified

2.Electrical performance

a、 rated temperature:-60~200°C rated voltage: 600V

b、 Spark experiment: no breakdown occurs when passing through the test electrode. The spark test voltage was 6000V

c、 dielectric withstand voltage: 2.5KV AC, 60 seconds without breakdown

3. Processing performance

a、 suitable for all conventional wire harness processing

b、 If you have special needs, please let us know.

4.Environmental protection

a、 ROHS/REACH compliant

Application:

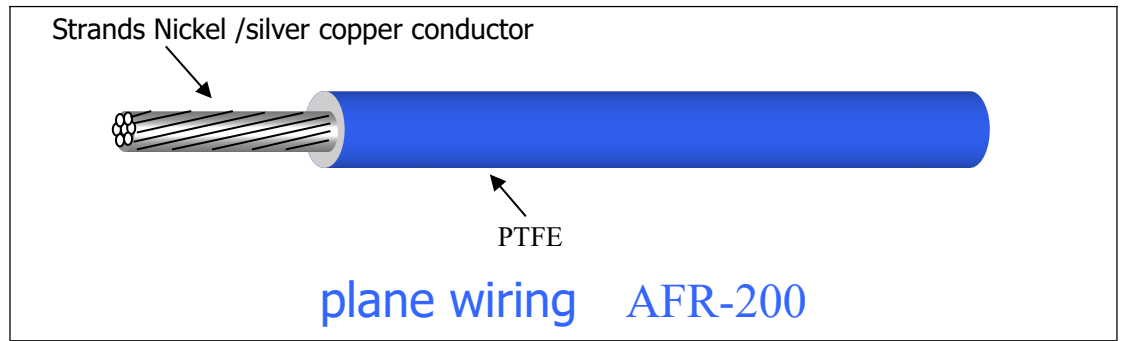
Suitable for AC 600v and below aircraft wiring, also suitable for other high temperature conditions of all kinds of communication equipment, instrument, instrument electrical connection

Standard:

Gist:QFR-AFR200; CQC1111-2020; Reference:GJB 773A-2000

Summarize:

Internal installation of wire, to prevent impact, high temperature under acute Angle bending



Wire structure description:

Conductor: Nickel /silver copper conductor;
Insulation materials: PTFE Insulation

It is suitable for electrical connection of various communication equipment, instruments and meters in aerospace and high temperature conditions.

Rated temperature: -60~200°C rated voltage: 600V

STYLE	mm ²	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conductor (mm)	insulation thickness (mm)		Overall diameter (mm)
					Nom.	Min.	
AFR 200	0.08	7/0.12	250	0.36	0.24	0.18	0.84±0.05
	0.15	19/0.10	138	0.50	0.24	0.18	0.97±0.05
		7/0.16	138	0.49	0.24	0.18	0.97±0.05
	0.20	19/0.12	92.0	0.60	0.24	0.18	1.09±0.05
		7/0.2	92.0	0.61	0.24	0.18	1.10±0.05
	0.30	19/0.15	52.5	0.75	0.24	0.18	1.23±0.10
	0.35	19/0.16	52.0	0.80	0.24	0.18	1.25±0.10
	0.50	19/0.19	32.1	0.95	0.24	0.18	1.43±0.10
	0.75	19/0.23	24.3	1.15	0.26	0.20	1.66±0.10
	0.80	19/0.235	23.2	1.18	0.26	0.20	1.70±0.10
	1.0	19/0.26	20.0	1.30	0.26	0.20	1.82±0.10
	1.20	19/0.28	16.4	1.40	0.26	0.20	1.91±0.10
	1.50	19/0.32	12.6	1.60	0.30	0.24	2.19±0.10
	2.0	19/0.37	9.84	1.85	0.30	0.24	2.45±0.10
	2.5	37/0.30	7.37	2.10	0.30	0.24	2.72±0.10
	3.0	37/0.32	6.50	2.24	0.30	0.24	2.82±0.10
4.0	37/0.37	4.83	2.60	0.40	0.34	3.41±0.15	
5.0	37/0.40	4.07	2.80	0.40	0.34	3.60±0.15	
6.0	37/0.45	3.26	3.15	0.55	0.50	4.25±0.15	
10.0	19/7/0.32	1.77	4.90	0.70	0.55	6.30±0.20	

Marking: AFR-200 NO.MM2 200°C 600V QIFURUI

*PACKAGE				
Part No.	Packing- M/roll			
0.08-0.35mm ²	<input type="checkbox"/> 200M	<input type="checkbox"/> 300M	<input type="checkbox"/> 500M	<input checked="" type="checkbox"/> 1000M
0.50-2.0mm ²	<input type="checkbox"/> 200M	<input type="checkbox"/> 300M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M
2.5-4.0mm ²	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 300M	<input type="checkbox"/> 500M	<input type="checkbox"/> 1000M
5.0-6.0mm ²	<input checked="" type="checkbox"/> 200M	<input type="checkbox"/> 300M	<input type="checkbox"/> 500M	<input type="checkbox"/> 1000M
10.0mm ²	<input checked="" type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 300M	<input type="checkbox"/> 500M

According to customer requirements for packaging packaging

3Fproduct code:

EG: AFR200-03000-19N
AFR-200, 0.30mm ² , black, 19/0.15, Strands Nicke

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