

Description

1. 10109 Wire Rated Voltage :300V.
2. 10086 Wire Rated Voltage: 600V.
3. Rated Temperature:150°C or 200°C.
4. Lowest temperature:-60°C.
5. Conductor:single or multiple twists made of 36-10 AWG(0.013-5.3mm²) tincoated copper or naked copper.
6. Insulation:FEP or ETFE Teflon,with optional color schemes such as white, white, black ,red ,blue, grey,yellow,green,brown,orange etc.
7. Resistant to acids,alkalis,oils,flame retardant,fire resistance,and low smoke,no halogen.

Applicable range

Widely applied in aviation; metallurgy and petroleum industry as well as applied in other products such as:electronic instrument & device,electrical appliance,lighting equipments, mechanical electrical,leads for transformer & electrical motor.

Technical parameter

AWG	Conductor Spec.		Style 10109 Wire			Style 10086 Wire			Conducto Max Resist. Ω/km 20°C
	Section Area mm ²	Cores No. (Dim Nominal)	Overall Dimmm ± 0.1	Average Insulation Thickness mm	Min. Insulation Thickness mm	Overall Dim mm ± 0.1	Average Insulation Thickness mm	Min. Insulation Thickness mm	
36	0.013	1/0.13	0.45			0.67			1369
34	0.020	1/0.16	0.48			0.70			861
32	0.033	1/0.21	0.52			0.74			602
30	0.05	1/0.26	0.58			0.80			387
28	0.08	1/0.32	0.64			0.86			244
26	0.13	1/0.41	0.77			0.99			153
		7/0.16	0.79			1.01			
24	0.22	1/0.511	0.85			1.07			95.8
		7/0.20	0.93	≥0.15	≥0.12	1.15			
22	0.33	1/0.65	1.00			1.22	≥0.26	≥0.23	60.7
		19/0.15	1.10			1.32			
21	0.42	1/0.72	1.06			1.28			47.6
20	0.52	1/0.81	1.16			1.38			38.1
		19/0.19	1.30			1.52			
19	0.65	1/0.91	1.28			1.50			30.1
18	0.82	1/1.02	1.38			1.60			23.9
		19/0.235	1.56			1.78			
17	1.04	1/1.15	1.58			1.70			18.9
16	1.31	1/1.30	1.73			1.85			15.0
		19/0.30	1.96	≥0.20	≥0.17	2.08			
15	1.65	1/1.48	1.92			2.04			11.9
14	2.10	19/0.375	2.35			2.47			9.42
12	3.31	19/0.48	2.97			3.23			5.88
11	4.20	37/0.38	3.25	≥0.25	≥0.22	3.51	≥0.38	≥0.33	4.66
10	5.30	37/0.43	3.60			3.86			3.69



UL10109-10086