



### 应用范围

适用于交流250V及以下或直流500V及以下家用电器、仪器仪表、铁路、航空、照明等有耐寒耐热要求的内部各部件的连接。相对湿度为98%，温度为+45℃环境中使用。

### APPLICATIONS

For fixed wiring of various heat and cold resistant household appliances, instruments/gauges, railway, aero equipment, lighting parts at/below voltage 250VAC/500VDC; used in an environment of 98% R.H. and +45℃ temperature

### 电线结构

多股细裸束绞镀锡铜丝导体；  
PVC/C型绝缘(FVNP),PVC105型绝缘(FVNP-105)；  
尼龙(PA)护套,尼龙外镀锡铜丝编织。

### WIRE MAKE-UP

Bare copper/tinned copper stranded conductor;  
PVC/C insulation (FVNP),  
105℃ resistant PVC insulation(FVNP-105),  
nylon(PA) sheath; tinned copper mesh outside the nylon

### 技术参数

- ☑ 温度范围：固定安装  
-60℃ ~ +80℃(FVNP)、-60℃ ~ +105℃(FVNP-105)
- ☑ 额定电压：U<sub>0</sub> 250V
- ☑ 符合标准：JB 1073-70
- ☑ 导体标准：GB/T 3956-1997 第5、6种
- ☑ 弯曲半径：大于6× 电线外径

### TECHNICAL DATA

- ☑ Operating Temp.: -60℃ ~ +80℃(FVNP) or  
-60℃ ~ +105℃(FVNP-105) for fixed wiring
- ☑ Rated Voltage: U<sub>0</sub> 250V
- ☑ Governing Standards: JB 1073-70
- ☑ Conductor Standards: Category 5, 6 in GB/T 3956-1997
- ☑ Bending Radius: more than 6 × wire O.D

导体截面 Cross Section mm <sup>2</sup>	导体结构 根数/单根直径 Conductor Structure Cond. No./O.D	标称外径 Nominal O.D. mm	最大外径 Max O.D. mm	重量(近似) Approx. Weight Kg/Km	导体20℃时 最大电阻 Max. Cond. R@20℃ ≤ ( Ω/Km )	环境温度 30℃架空时 参考载流量(A) Ambient @30℃ Ampacity (aerial cable) FVNP FVNP-105
0.2	12/0.15	2.06	2.30	9.0	100	4 5
0.3	16/0.15	2.15	2.40	10.4	65.0	8 10
0.4	23/0.15	2.34	2.60	12.6	49.0	10 13
0.5	28/0.15	2.45	2.70	13.7	39.0	12 15
0.6	19/0.20	2.69	3.10	17.7	32.0	14 18
0.8	19/0.23	2.84	3.20	21.1	20.0	15 20
1	19/0.26	2.99	3.30	23.5	19.5	17 24
1.2	19/0.28	3.19	3.50	26.8	16.0	20 26
1.5	19/0.32	3.39	3.70	31.4	13.3	22 30
2	49/0.23	3.86	4.30	40.0	15.8	26 34
2.5	49/0.26	4.13	4.80	47.7	7.98	29 42
3	49/0.28	4.41	4.90	53.9	6.90	33 43
4	77/0.26	5.31	5.70	70.5	4.95	40 56
5	98/0.26	5.33	5.90	83.7	4.20	46 60
6	77/0.32	5.96	6.50	98.4	3.30	51 71
8	98/0.32	6.31	6.90	116	2.60	63 82
10	126/0.32	6.87	7.60	150	1.91	74 96
13	133/0.36	7.65	8.50	181	1.55	87 113
16	209/0.32	8.65	9.70	231	1.21	100 130
20	247/0.32	9.05	10.2	266	1.00	118 154
25	209/0.39	10.05	11.6	328	0.780	135 178
35	285/0.39	11.40	12.8	440	0.554	166 216

▲ 载流量是周围温度设定在30℃时的计算值。电线芯数、周围温度、布线状况等条件改变时应乘以系数。(见附录)

▲ Current-carrying capacity is the calculated value based on a ambient temperature of 30℃ and is to be multiplied by a factor when application conditions including number of cores, ambient temperature and wiring condition are changed. (see Appendix)