

# 额定电压 3.6/6kV~26/35kV 铝芯交联聚乙烯绝缘聚氯乙烯护套

## 电力电缆

### 电缆型号

(ZA/B/C)-YJLV-3.6/6kV

(ZA/B/C)-YJLV-6/6kV(6/10kV)

(ZA/B/C)-YJLV-8.7/10kV(8.7/15kV)

(ZA/B/C)-YJLV-12/20kV

(ZA/B/C)-YJLV-18/20kV(18/30kV)

(ZA/B/C)-YJL(S)V-21/35kV

(ZA/B/C)-YJL(S)V-26/35kV

### 适用范围

适用于交流 50Hz，城市地下电网、发电站引出线路、工矿企业内部等供电线路。

### 电缆结构

#### 导体

紧压圆形导体

#### 导体屏蔽

半导体屏蔽料（500mm<sup>2</sup> 以下）

半导体带+半导体屏蔽料（500mm<sup>2</sup> 及以上）

#### 绝缘

交联聚乙烯

#### 绝缘屏蔽

可剥离型半导体屏蔽料

#### 金属屏蔽层

铜带

铜丝（35kV500mm<sup>2</sup> 及以上）

#### 填充

非吸湿性填充绳

#### 包带

非吸湿性包带

#### 外护套

90℃ 聚氯乙烯（非阻燃型）

90℃ 阻燃聚氯乙烯（阻燃型）

### 产品标准

GB/T 12706.2-2020，GB/T 12706.3-2020。

### 截面范围

见表 1

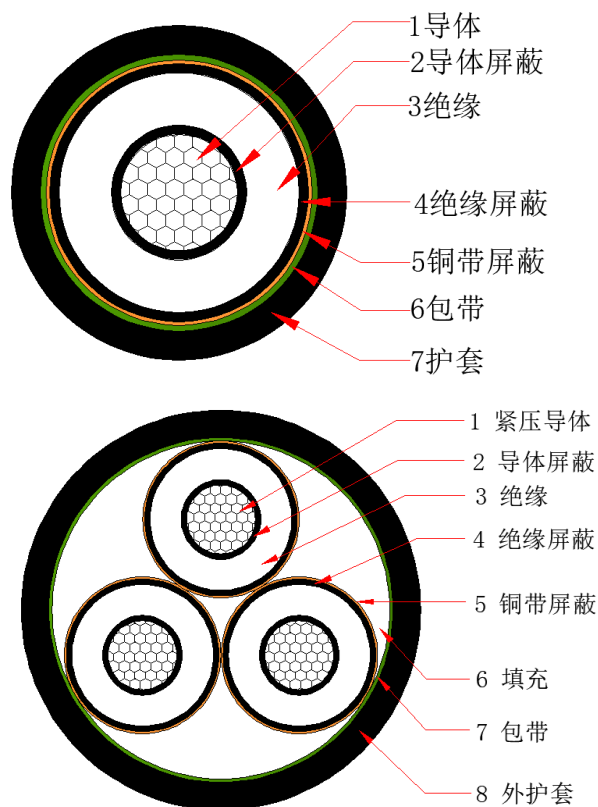
### 线芯识别

一芯：无

三芯：●黄●绿●红（色带）

### 护套颜色

●黑色



### 技术参数

#### 额定电压 $U_0/U(U_m)$

3.6/6(7.2)kV、6/6(7.2)kV、6/10(12)kV、8.7/10(12)kV、8.7/15(17.5)kV、12/20(24)kV、18/20(24)kV、18/30(36)kV、21/35(40.5)kV、26/35(40.5)kV。

#### 温度等级

导体最高运行温度：+90℃

使用环境温度：-15℃~+55℃

电缆敷设温度：不低于 0℃（环境温度低于 0℃时，应对电缆进行预热）

#### 敷设时最小弯曲半径

一芯电缆：20D

三芯电缆：15D

注：D 为电缆实际外径

#### 敷设方式

穿管敷设、沟道敷设、隧道敷设、竖井、桥架敷设等。

### 产品认证



电缆结构参数 表 1

| 型号           | 型号规格  | 导体<br>直径<br>mm | 电缆近似外径 mm |       |       |       | 电缆近似重量 kg/km |        |        |        |
|--------------|-------|----------------|-----------|-------|-------|-------|--------------|--------|--------|--------|
|              |       |                | 非阻燃       | ZA    | ZB    | ZC    | 非阻燃          | ZA     | ZB     | ZC     |
| YJLV-3.6/6kV | 1*25  | 5.59           | 16.90     | 17.74 | 17.74 | 16.90 | 347.2        | 389.6  | 389.6  | 357.5  |
| YJLV-3.6/6kV | 1*35  | 6.58           | 17.89     | 18.73 | 18.73 | 17.89 | 395.9        | 440.7  | 440.7  | 406.9  |
| YJLV-3.6/6kV | 1*50  | 7.65           | 19.13     | 19.97 | 19.97 | 19.13 | 461.8        | 510.2  | 510.2  | 473.9  |
| YJLV-3.6/6kV | 1*70  | 9.19           | 20.67     | 21.51 | 21.51 | 20.67 | 553.5        | 605.8  | 605.8  | 566.7  |
| YJLV-3.6/6kV | 1*95  | 10.85          | 22.50     | 23.34 | 23.34 | 22.50 | 673.6        | 731.2  | 731.2  | 688.4  |
| YJLV-3.6/6kV | 1*120 | 12.28          | 23.93     | 24.77 | 24.77 | 23.93 | 773.1        | 834.3  | 834.3  | 788.9  |
| YJLV-3.6/6kV | 1*150 | 13.59          | 25.41     | 26.25 | 26.25 | 25.41 | 887.5        | 953.2  | 953.2  | 904.8  |
| YJLV-3.6/6kV | 1*185 | 15.23          | 27.05     | 27.89 | 27.89 | 27.05 | 1024.9       | 1094.9 | 1094.9 | 1043.5 |
| YJLV-3.6/6kV | 1*240 | 17.43          | 29.62     | 30.46 | 30.46 | 29.62 | 1251.3       | 1328.8 | 1328.8 | 1272.2 |
| YJLV-3.6/6kV | 1*300 | 19.52          | 32.28     | 33.12 | 33.12 | 32.28 | 1499.8       | 1585.3 | 1585.3 | 1523.3 |
| YJLV-3.6/6kV | 1*400 | 22.10          | 35.43     | 36.27 | 36.27 | 35.43 | 1828.9       | 1923.8 | 1923.8 | 1855.5 |
| YJLV-3.6/6kV | 1*500 | 25.00          | 39.38     | 40.22 | 40.22 | 39.38 | 2269.4       | 2376.0 | 2376.0 | 2299.8 |
| YJLV-3.6/6kV | 1*630 | 28.40          | 42.95     | 43.79 | 43.79 | 42.95 | 2768.9       | 2886.5 | 2886.5 | 2802.9 |
| YJLV-3.6/6kV | 1*800 | 34.00          | 48.89     | 49.73 | 49.73 | 48.89 | 3473.0       | 3609.7 | 3609.7 | 3513.6 |
| YJLV-3.6/6kV | 3*25  | 5.59           | 33.74     | 33.74 | 33.74 | 33.74 | 1111.0       | 1171.7 | 1171.7 | 1171.7 |
| YJLV-3.6/6kV | 3*35  | 6.58           | 36.05     | 36.05 | 36.05 | 36.05 | 1288.5       | 1357.2 | 1357.2 | 1357.2 |
| YJLV-3.6/6kV | 3*50  | 7.65           | 38.53     | 38.53 | 38.53 | 38.53 | 1496.7       | 1574.4 | 1574.4 | 1574.4 |
| YJLV-3.6/6kV | 3*70  | 9.19           | 42.03     | 42.03 | 42.03 | 42.03 | 1820.0       | 1911.7 | 1911.7 | 1911.7 |
| YJLV-3.6/6kV | 3*95  | 10.85          | 45.78     | 45.78 | 45.78 | 45.78 | 2207.1       | 2314.9 | 2314.9 | 2314.9 |
| YJLV-3.6/6kV | 3*120 | 12.28          | 49.04     | 49.04 | 49.04 | 49.04 | 2561.1       | 2684.0 | 2684.0 | 2684.0 |
| YJLV-3.6/6kV | 3*150 | 13.59          | 52.04     | 52.04 | 52.04 | 52.04 | 2927.8       | 3065.4 | 3065.4 | 3065.4 |
| YJLV-3.6/6kV | 3*185 | 15.23          | 55.75     | 55.75 | 55.75 | 55.75 | 3410.6       | 3567.6 | 3567.6 | 3567.6 |
| YJLV-3.6/6kV | 3*240 | 17.43          | 61.28     | 61.28 | 61.28 | 61.28 | 4179.5       | 4367.5 | 4367.5 | 4367.5 |
| YJLV-3.6/6kV | 3*300 | 19.52          | 67.00     | 67.00 | 67.00 | 67.00 | 5028.2       | 5251.3 | 5251.3 | 5251.3 |
| YJLV-3.6/6kV | 3*400 | 22.10          | 73.94     | 73.94 | 73.94 | 73.94 | 6182.5       | 6452.0 | 6452.0 | 6452.0 |
| YJLV-3.6/6kV | 3*500 | 25.00          | 82.45     | 82.45 | 82.45 | 82.45 | 7692.9       | 8026.0 | 8026.0 | 8026.0 |
| YJLV-3.6/6kV | 3*630 | 28.40          | 90.13     | 90.13 | 90.13 | 90.13 | 9383.7       | 9779.9 | 9779.9 | 9779.9 |
| YJLV-6/10kV  | 1*25  | 5.59           | 18.87     | 19.71 | 19.71 | 18.87 | 413.4        | 461.2  | 461.2  | 425.3  |
| YJLV-6/10kV  | 1*35  | 6.58           | 19.86     | 20.70 | 20.70 | 19.86 | 465.0        | 515.3  | 515.3  | 477.6  |
| YJLV-6/10kV  | 1*50  | 7.65           | 20.93     | 21.77 | 21.77 | 20.93 | 525.6        | 578.5  | 578.5  | 539.0  |
| YJLV-6/10kV  | 1*70  | 9.19           | 22.64     | 23.48 | 23.48 | 22.64 | 631.4        | 689.4  | 689.4  | 646.4  |
| YJLV-6/10kV  | 1*95  | 10.85          | 24.30     | 25.14 | 25.14 | 24.30 | 746.5        | 808.7  | 808.7  | 762.6  |

| 型号            | 型号规格  | 导体<br>直径<br>mm | 电缆近似外径 mm |       |       |       | 电缆近似重量 kg/km |        |        |        |
|---------------|-------|----------------|-----------|-------|-------|-------|--------------|--------|--------|--------|
|               |       |                | 非阻燃       | ZA    | ZB    | ZC    | 非阻燃          | ZA     | ZB     | ZC     |
| YJLV-6/10kV   | 1*120 | 12.28          | 25.90     | 26.74 | 26.74 | 25.90 | 861.2        | 928.3  | 928.3  | 878.9  |
| YJLV-6/10kV   | 1*150 | 13.59          | 27.21     | 28.05 | 28.05 | 27.21 | 968.2        | 1038.7 | 1038.7 | 986.9  |
| YJLV-6/10kV   | 1*185 | 15.23          | 29.02     | 29.86 | 29.86 | 29.02 | 1122.9       | 1198.9 | 1198.9 | 1143.4 |
| YJLV-6/10kV   | 1*240 | 17.43          | 31.39     | 32.23 | 32.23 | 31.39 | 1346.9       | 1430.0 | 1430.0 | 1369.7 |
| YJLV-6/10kV   | 1*300 | 19.52          | 33.48     | 34.32 | 34.32 | 33.48 | 1565.5       | 1654.1 | 1654.1 | 1590.0 |
| YJLV-6/10kV   | 1*400 | 22.10          | 36.40     | 37.24 | 37.24 | 36.40 | 1892.6       | 1991.1 | 1991.1 | 1920.4 |
| YJLV-6/10kV   | 1*500 | 25.00          | 39.78     | 40.62 | 40.62 | 39.78 | 2295.4       | 2403.0 | 2403.0 | 2326.1 |
| YJLV-6/10kV   | 1*630 | 28.40          | 43.52     | 44.36 | 44.36 | 43.52 | 2816.4       | 2936.8 | 2936.8 | 2851.6 |
| YJLV-6/10kV   | 1*800 | 34.00          | 49.29     | 50.13 | 50.13 | 49.29 | 3504.6       | 3642.5 | 3642.5 | 3545.6 |
| YJLV-6/10kV   | 3*25  | 5.59           | 37.80     | 37.80 | 37.80 | 37.80 | 1329.2       | 1404.4 | 1404.4 | 1404.4 |
| YJLV-6/10kV   | 3*35  | 6.58           | 40.11     | 40.11 | 40.11 | 40.11 | 1575.3       | 1598.5 | 1598.5 | 1598.5 |
| YJLV-6/10kV   | 3*50  | 7.65           | 42.59     | 42.59 | 42.59 | 42.59 | 1799.1       | 1824.2 | 1824.2 | 1824.2 |
| YJLV-6/10kV   | 3*70  | 9.19           | 46.08     | 46.08 | 46.08 | 46.08 | 2137.2       | 2164.9 | 2164.9 | 2164.9 |
| YJLV-6/10kV   | 3*95  | 10.85          | 50.01     | 50.01 | 50.01 | 50.01 | 2559.8       | 2590.8 | 2590.8 | 2590.8 |
| YJLV-6/10kV   | 3*120 | 12.28          | 53.27     | 53.27 | 53.27 | 53.27 | 2940.8       | 2974.4 | 2974.4 | 2974.4 |
| YJLV-6/10kV   | 3*150 | 13.59          | 56.27     | 56.27 | 56.27 | 56.27 | 3319.1       | 3355.1 | 3355.1 | 3355.1 |
| YJLV-6/10kV   | 3*185 | 15.23          | 59.98     | 59.98 | 59.98 | 59.98 | 3868.4       | 3907.5 | 3907.5 | 3907.5 |
| YJLV-6/10kV   | 3*240 | 17.43          | 64.90     | 64.90 | 64.90 | 64.90 | 4568.6       | 4611.6 | 4611.6 | 4611.6 |
| YJLV-6/10kV   | 3*300 | 19.52          | 69.76     | 69.76 | 69.76 | 69.76 | 5342.1       | 5389.6 | 5389.6 | 5389.6 |
| YJLV-6/10kV   | 3*400 | 22.10          | 75.67     | 75.67 | 75.67 | 75.67 | 6403.3       | 6456.3 | 6456.3 | 6456.3 |
| YJLV-6/10kV   | 3*500 | 25.00          | 83.31     | 83.31 | 83.31 | 83.31 | 7937.8       | 7997.9 | 7997.9 | 7997.9 |
| YJLV-6/10kV   | 3*630 | 28.40          | 91.16     | 91.16 | 91.16 | 91.16 | 9766.1       | 9834.4 | 9834.4 | 9834.4 |
| YJLV-8.7/15kV | 1*25  | 5.59           | 20.87     | 21.71 | 21.71 | 20.87 | 483.8        | 536.6  | 536.6  | 497.1  |
| YJLV-8.7/15kV | 1*35  | 6.58           | 22.03     | 22.87 | 22.87 | 22.03 | 548.2        | 604.6  | 604.6  | 562.6  |
| YJLV-8.7/15kV | 1*50  | 7.65           | 23.10     | 23.94 | 23.94 | 23.10 | 612.3        | 671.4  | 671.4  | 627.5  |
| YJLV-8.7/15kV | 1*70  | 9.19           | 24.81     | 25.65 | 25.65 | 24.81 | 724.2        | 788.5  | 788.5  | 741.1  |
| YJLV-8.7/15kV | 1*95  | 10.85          | 26.47     | 27.31 | 27.31 | 26.47 | 844.8        | 913.3  | 913.3  | 862.9  |
| YJLV-8.7/15kV | 1*120 | 12.28          | 28.07     | 28.91 | 28.91 | 28.07 | 965.3        | 1038.8 | 1038.8 | 985.0  |
| YJLV-8.7/15kV | 1*150 | 13.59          | 29.38     | 30.22 | 30.22 | 29.38 | 1076.6       | 1153.5 | 1153.5 | 1097.4 |
| YJLV-8.7/15kV | 1*185 | 15.23          | 31.19     | 32.03 | 32.03 | 31.19 | 1237.7       | 1320.3 | 1320.3 | 1260.4 |
| YJLV-8.7/15kV | 1*240 | 17.43          | 33.56     | 34.40 | 34.40 | 33.56 | 1470.0       | 1559.8 | 1559.8 | 1495.0 |
| YJLV-8.7/15kV | 1*300 | 19.52          | 35.65     | 36.49 | 36.49 | 35.65 | 1695.5       | 1791.0 | 1791.0 | 1722.2 |
| YJLV-8.7/15kV | 1*400 | 22.10          | 38.40     | 39.24 | 39.24 | 38.40 | 2015.9       | 2119.8 | 2119.8 | 2045.4 |
| YJLV-8.7/15kV | 1*500 | 25.00          | 41.95     | 42.79 | 42.79 | 41.95 | 2447.2       | 2562.0 | 2562.0 | 2480.3 |

| 型号            | 型号规格  | 导体<br>直径<br>mm | 电缆近似外径 mm |       |       |       | 电缆近似重量 kg/km |         |         |         |
|---------------|-------|----------------|-----------|-------|-------|-------|--------------|---------|---------|---------|
|               |       |                | 非阻燃       | ZA    | ZB    | ZC    | 非阻燃          | ZA      | ZB      | ZC      |
| YJLV-8.7/15kV | 1*630 | 28.40          | 45.52     | 46.36 | 46.36 | 45.52 | 2961.1       | 3087.0  | 3087.0  | 2998.0  |
| YJLV-8.7/15kV | 1*800 | 34.00          | 51.46     | 52.30 | 52.30 | 51.46 | 3689.2       | 3834.7  | 3834.7  | 3733.0  |
| YJLV-8.7/15kV | 3*25  | 5.59           | 42.46     | 42.46 | 42.46 | 42.46 | 1652.1       | 1677.1  | 1677.1  | 1677.1  |
| YJLV-8.7/15kV | 3*35  | 6.58           | 44.77     | 44.77 | 44.77 | 44.77 | 1856.7       | 1883.6  | 1883.6  | 1883.6  |
| YJLV-8.7/15kV | 3*50  | 7.65           | 47.25     | 47.25 | 47.25 | 47.25 | 2100.0       | 2128.8  | 2128.8  | 2128.8  |
| YJLV-8.7/15kV | 3*70  | 9.19           | 50.74     | 50.74 | 50.74 | 50.74 | 2459.5       | 2491.0  | 2491.0  | 2491.0  |
| YJLV-8.7/15kV | 3*95  | 10.85          | 54.50     | 54.50 | 54.50 | 54.50 | 2891.5       | 2925.9  | 2925.9  | 2925.9  |
| YJLV-8.7/15kV | 3*120 | 12.28          | 57.76     | 57.76 | 57.76 | 57.76 | 3273.3       | 3310.3  | 3310.3  | 3310.3  |
| YJLV-8.7/15kV | 3*150 | 13.59          | 60.76     | 60.76 | 60.76 | 60.76 | 3729.2       | 3768.8  | 3768.8  | 3768.8  |
| YJLV-8.7/15kV | 3*185 | 15.23          | 64.47     | 64.47 | 64.47 | 64.47 | 4239.3       | 4282.0  | 4282.0  | 4282.0  |
| YJLV-8.7/15kV | 3*240 | 17.43          | 69.56     | 69.56 | 69.56 | 69.56 | 5008.7       | 5056.0  | 5056.0  | 5056.0  |
| YJLV-8.7/15kV | 3*300 | 19.52          | 74.42     | 74.42 | 74.42 | 74.42 | 5856.5       | 5908.6  | 5908.6  | 5908.6  |
| YJLV-8.7/15kV | 3*400 | 22.10          | 80.33     | 80.33 | 80.33 | 80.33 | 7000.2       | 7058.0  | 7058.0  | 7058.0  |
| YJLV-8.7/15kV | 3*500 | 25.00          | 87.97     | 87.97 | 87.97 | 87.97 | 8619.7       | 8684.7  | 8684.7  | 8684.7  |
| YJLV-8.7/15kV | 3*630 | 28.40          | 95.65     | 95.65 | 95.65 | 95.65 | 10342.6      | 10415.2 | 10415.2 | 10415.2 |
| YJLV-12/20kV  | 1*35  | 6.58           | 23.83     | 24.67 | 24.67 | 23.83 | 619.8        | 680.8   | 680.8   | 635.6   |
| YJLV-12/20kV  | 1*50  | 7.65           | 25.07     | 25.91 | 25.91 | 25.07 | 697.9        | 762.8   | 762.8   | 715.0   |
| YJLV-12/20kV  | 1*70  | 9.19           | 26.61     | 27.45 | 27.45 | 26.61 | 803.5        | 872.3   | 872.3   | 821.7   |
| YJLV-12/20kV  | 1*95  | 10.85          | 28.44     | 29.28 | 29.28 | 28.44 | 941.0        | 1015.5  | 1015.5  | 961.1   |
| YJLV-12/20kV  | 1*120 | 12.28          | 29.87     | 30.71 | 30.71 | 29.87 | 1053.3       | 1131.5  | 1131.5  | 1074.5  |
| YJLV-12/20kV  | 1*150 | 13.59          | 31.35     | 32.19 | 32.19 | 31.35 | 1182.1       | 1265.1  | 1265.1  | 1204.8  |
| YJLV-12/20kV  | 1*185 | 15.23          | 32.99     | 33.83 | 33.83 | 32.99 | 1334.2       | 1421.6  | 1421.6  | 1358.3  |
| YJLV-12/20kV  | 1*240 | 17.43          | 35.36     | 36.20 | 36.20 | 35.36 | 1573.0       | 1667.6  | 1667.6  | 1599.5  |
| YJLV-12/20kV  | 1*300 | 19.52          | 37.62     | 38.46 | 38.46 | 37.62 | 1820.8       | 1922.6  | 1922.6  | 1849.7  |
| YJLV-12/20kV  | 1*400 | 22.10          | 40.37     | 41.21 | 41.21 | 40.37 | 2149.8       | 2260.3  | 2260.3  | 2181.6  |
| YJLV-12/20kV  | 1*500 | 25.00          | 43.92     | 44.76 | 44.76 | 43.92 | 2592.2       | 2713.8  | 2713.8  | 2627.8  |
| YJLV-12/20kV  | 1*630 | 28.40          | 47.49     | 48.33 | 48.33 | 47.49 | 3117.4       | 3250.2  | 3250.2  | 3156.7  |
| YJLV-12/20kV  | 1*800 | 34.00          | 53.26     | 54.10 | 54.10 | 53.26 | 3840.5       | 3991.0  | 3991.0  | 3885.8  |
| YJLV-12/20kV  | 3*35  | 6.58           | 48.82     | 48.82 | 48.82 | 48.82 | 2155.7       | 2185.5  | 2185.5  | 2185.5  |
| YJLV-12/20kV  | 3*50  | 7.65           | 51.31     | 51.31 | 51.31 | 51.31 | 2425.1       | 2457.0  | 2457.0  | 2457.0  |
| YJLV-12/20kV  | 3*70  | 9.19           | 54.80     | 54.80 | 54.80 | 54.80 | 2796.9       | 2831.5  | 2831.5  | 2831.5  |
| YJLV-12/20kV  | 3*95  | 10.85          | 58.73     | 58.73 | 58.73 | 58.73 | 3319.5       | 3357.6  | 3357.6  | 3357.6  |
| YJLV-12/20kV  | 3*120 | 12.28          | 61.99     | 61.99 | 61.99 | 61.99 | 3723.1       | 3764.0  | 3764.0  | 3764.0  |
| YJLV-12/20kV  | 3*150 | 13.59          | 64.99     | 64.99 | 64.99 | 64.99 | 4151.6       | 4195.1  | 4195.1  | 4195.1  |

| 型号           | 型号规格  | 导体<br>直径<br>mm | 电缆近似外径 mm |        |        |        | 电缆近似重量 kg/km |         |         |         |
|--------------|-------|----------------|-----------|--------|--------|--------|--------------|---------|---------|---------|
|              |       |                | 非阻燃       | ZA     | ZB     | ZC     | 非阻燃          | ZA      | ZB      | ZC      |
| YJLV-12/20kV | 3*185 | 15.23          | 68.70     | 68.70  | 68.70  | 68.70  | 4742.6       | 4789.3  | 4789.3  | 4789.3  |
| YJLV-12/20kV | 3*240 | 17.43          | 73.79     | 73.79  | 73.79  | 73.79  | 5636.1       | 5687.7  | 5687.7  | 5687.7  |
| YJLV-12/20kV | 3*300 | 19.52          | 78.48     | 78.48  | 78.48  | 78.48  | 6644.0       | 6699.7  | 6699.7  | 6699.7  |
| YJLV-12/20kV | 3*400 | 22.10          | 84.39     | 84.39  | 84.39  | 84.39  | 7724.0       | 7785.5  | 7785.5  | 7785.5  |
| YJLV-12/20kV | 3*500 | 25.00          | 92.03     | 92.03  | 92.03  | 92.03  | 9106.8       | 9175.7  | 9175.7  | 9175.7  |
| YJLV-12/20kV | 3*630 | 28.40          | 99.88     | 99.88  | 99.88  | 99.88  | 10892.5      | 10970.2 | 10970.2 | 10970.2 |
| YJLV-18/20kV | 1*50  | 7.65           | 30.01     | 30.85  | 30.85  | 30.01  | 937.7        | 1017.1  | 1017.1  | 959.4   |
| YJLV-18/20kV | 1*70  | 9.19           | 31.55     | 32.39  | 32.39  | 31.55  | 1054.7       | 1138.3  | 1138.3  | 1077.6  |
| YJLV-18/20kV | 1*95  | 10.85          | 33.38     | 34.22  | 34.22  | 33.38  | 1207.0       | 1296.3  | 1296.3  | 1231.8  |
| YJLV-18/20kV | 1*120 | 12.28          | 34.81     | 35.65  | 35.65  | 34.81  | 1329.9       | 1423.1  | 1423.1  | 1356.0  |
| YJLV-18/20kV | 1*150 | 13.59          | 36.29     | 37.13  | 37.13  | 36.29  | 1470.7       | 1568.9  | 1568.9  | 1498.5  |
| YJLV-18/20kV | 1*185 | 15.23          | 37.93     | 38.77  | 38.77  | 37.93  | 1635.2       | 1737.8  | 1737.8  | 1664.3  |
| YJLV-18/20kV | 1*240 | 17.43          | 40.30     | 41.14  | 41.14  | 40.30  | 1892.6       | 2002.9  | 2002.9  | 1924.3  |
| YJLV-18/20kV | 1*300 | 19.52          | 42.56     | 43.40  | 43.40  | 42.56  | 2158.2       | 2276.0  | 2276.0  | 2192.6  |
| YJLV-18/20kV | 1*400 | 22.10          | 45.31     | 46.15  | 46.15  | 45.31  | 2508.8       | 2635.5  | 2635.5  | 2546.3  |
| YJLV-18/20kV | 1*500 | 25.00          | 48.86     | 49.70  | 49.70  | 48.86  | 2978.7       | 3116.9  | 3116.9  | 3020.1  |
| YJLV-18/20kV | 1*630 | 28.40          | 52.43     | 53.27  | 53.27  | 52.43  | 3531.5       | 3681.3  | 3681.3  | 3577.0  |
| YJLV-18/20kV | 1*800 | 34.00          | 58.20     | 59.04  | 59.04  | 58.20  | 4298.8       | 4466.8  | 4466.8  | 4350.5  |
| YJLV-18/20kV | 3*50  | 7.65           | 61.92     | 61.92  | 61.92  | 61.92  | 3333.8       | 3374.7  | 3374.7  | 3374.7  |
| YJLV-18/20kV | 3*70  | 9.19           | 65.42     | 65.42  | 65.42  | 65.42  | 3746.9       | 3790.8  | 3790.8  | 3790.8  |
| YJLV-18/20kV | 3*95  | 10.85          | 69.17     | 69.17  | 69.17  | 69.17  | 4203.4       | 4250.5  | 4250.5  | 4250.5  |
| YJLV-18/20kV | 3*120 | 12.28          | 72.60     | 72.60  | 72.60  | 72.60  | 4646.6       | 4697.3  | 4697.3  | 4697.3  |
| YJLV-18/20kV | 3*150 | 13.59          | 75.60     | 75.60  | 75.60  | 75.60  | 5164.9       | 5218.5  | 5218.5  | 5218.5  |
| YJLV-18/20kV | 3*185 | 15.23          | 79.31     | 79.31  | 79.31  | 79.31  | 5850.6       | 5907.5  | 5907.5  | 5907.5  |
| YJLV-18/20kV | 3*240 | 17.43          | 84.24     | 84.24  | 84.24  | 84.24  | 6708.1       | 6769.5  | 6769.5  | 6769.5  |
| YJLV-18/20kV | 3*300 | 19.52          | 89.09     | 89.09  | 89.09  | 89.09  | 7747.9       | 7814.6  | 7814.6  | 7814.6  |
| YJLV-18/20kV | 3*400 | 22.10          | 95.00     | 95.00  | 95.00  | 95.00  | 8943.6       | 9016.4  | 9016.4  | 9016.4  |
| YJLV-18/20kV | 3*500 | 25.00          | 102.64    | 102.64 | 102.64 | 102.64 | 10461.0      | 10541.8 | 10541.8 | 10541.8 |
| YJLV-18/20kV | 3*630 | 28.40          | 110.50    | 110.50 | 110.50 | 110.50 | 12506.7      | 12596.7 | 12596.7 | 12596.7 |
| YJLV-21/35kV | 1*50  | 7.65           | 33.38     | 34.22  | 34.22  | 33.38  | 1127.8       | 1217.2  | 1217.2  | 1152.7  |
| YJLV-21/35kV | 1*70  | 9.19           | 34.92     | 35.76  | 35.76  | 34.92  | 1253.2       | 1346.7  | 1346.7  | 1279.3  |
| YJLV-21/35kV | 1*95  | 10.85          | 36.75     | 37.59  | 37.59  | 36.75  | 1415.9       | 1515.4  | 1515.4  | 1444.1  |
| YJLV-21/35kV | 1*120 | 12.28          | 38.18     | 39.02  | 39.02  | 38.18  | 1546.7       | 1650.0  | 1650.0  | 1576.0  |
| YJLV-21/35kV | 1*150 | 13.59          | 39.66     | 40.50  | 40.50  | 39.66  | 1696.0       | 1804.6  | 1804.6  | 1727.2  |

| 型号            | 型号规格     | 导体<br>直径<br>mm | 电缆近似外径 mm |        |        |        | 电缆近似重量 kg/km |         |         |         |
|---------------|----------|----------------|-----------|--------|--------|--------|--------------|---------|---------|---------|
|               |          |                | 非阻燃       | ZA     | ZB     | ZC     | 非阻燃          | ZA      | ZB      | ZC      |
| YJLV-21/35kV  | 1*185    | 15.23          | 41.30     | 42.14  | 42.14  | 41.30  | 1869.3       | 1982.4  | 1982.4  | 1901.9  |
| YJLV-21/35kV  | 1*240    | 17.43          | 43.67     | 44.51  | 44.51  | 43.67  | 2140.2       | 2261.0  | 2261.0  | 2175.5  |
| YJLV-21/35kV  | 1*300    | 19.52          | 45.93     | 46.77  | 46.77  | 45.93  | 2418.6       | 2547.0  | 2547.0  | 2456.6  |
| YJLV-21/35kV  | 1*400    | 22.10          | 48.68     | 49.52  | 49.52  | 48.68  | 2784.6       | 2922.3  | 2922.3  | 2825.9  |
| YJLSV-21/35kV | 1*500/35 | 25.00          | 54.47     | 55.31  | 55.31  | 54.47  | 3299.7       | 3455.4  | 3455.4  | 3347.1  |
| YJLSV-21/35kV | 1*630/35 | 28.40          | 58.04     | 58.88  | 58.88  | 58.04  | 3865.8       | 4033.4  | 4033.4  | 3917.4  |
| YJLSV-21/35kV | 1*800/35 | 34.00          | 63.81     | 64.65  | 64.65  | 63.81  | 4653.3       | 4839.5  | 4839.5  | 4711.4  |
| YJLV-21/35kV  | 3*50     | 7.65           | 69.17     | 69.17  | 69.17  | 69.17  | 3970.8       | 4017.9  | 4017.9  | 4017.9  |
| YJLV-21/35kV  | 3*70     | 9.19           | 72.67     | 72.67  | 72.67  | 72.67  | 4488.2       | 4538.4  | 4538.4  | 4538.4  |
| YJLV-21/35kV  | 3*95     | 10.85          | 76.43     | 76.43  | 76.43  | 76.43  | 5116.9       | 5170.5  | 5170.5  | 5170.5  |
| YJLV-21/35kV  | 3*120    | 12.28          | 79.68     | 79.68  | 79.68  | 79.68  | 5639.1       | 5695.7  | 5695.7  | 5695.7  |
| YJLV-21/35kV  | 3*150    | 13.59          | 82.68     | 82.68  | 82.68  | 82.68  | 6136.4       | 6196.0  | 6196.0  | 6196.0  |
| YJLV-21/35kV  | 3*185    | 15.23          | 86.40     | 86.40  | 86.40  | 86.40  | 6881.3       | 6944.4  | 6944.4  | 6944.4  |
| YJLV-21/35kV  | 3*240    | 17.43          | 91.49     | 91.49  | 91.49  | 91.49  | 7817.8       | 7886.4  | 7886.4  | 7886.4  |
| YJLV-21/35kV  | 3*300    | 19.52          | 96.17     | 96.17  | 96.17  | 96.17  | 8691.5       | 8764.5  | 8764.5  | 8764.5  |
| YJLV-21/35kV  | 3*400    | 22.10          | 102.26    | 102.26 | 102.26 | 102.26 | 10085.0      | 10165.5 | 10165.5 | 10165.5 |
| YJLSV-21/35kV | 3*500/35 | 25.00          | 114.86    | 114.86 | 114.86 | 114.86 | 11762.9      | 12398.9 | 12398.9 | 12398.9 |
| YJLSV-21/35kV | 3*630/35 | 28.40          | 122.72    | 122.72 | 122.72 | 122.72 | 13788.8      | 14512.1 | 14512.1 | 14512.1 |
| YJLV-26/35kV  | 1*50     | 7.65           | 35.78     | 36.62  | 36.62  | 35.78  | 1265.9       | 1361.7  | 1361.7  | 1292.7  |
| YJLV-26/35kV  | 1*70     | 9.19           | 37.49     | 38.33  | 38.33  | 37.49  | 1413.4       | 1514.9  | 1514.9  | 1442.2  |
| YJLV-26/35kV  | 1*95     | 10.85          | 39.15     | 39.99  | 39.99  | 39.15  | 1566.2       | 1672.1  | 1672.1  | 1596.3  |
| YJLV-26/35kV  | 1*120    | 12.28          | 40.75     | 41.59  | 41.59  | 40.75  | 1720.0       | 1831.5  | 1831.5  | 1752.1  |
| YJLV-26/35kV  | 1*150    | 13.59          | 42.06     | 42.90  | 42.90  | 42.06  | 1856.8       | 1971.9  | 1971.9  | 1890.0  |
| YJLV-26/35kV  | 1*185    | 15.23          | 43.87     | 44.71  | 44.71  | 43.87  | 2055.3       | 2176.7  | 2176.7  | 2090.8  |
| YJLV-26/35kV  | 1*240    | 17.43          | 46.24     | 47.08  | 47.08  | 46.24  | 2335.9       | 2465.2  | 2465.2  | 2374.2  |
| YJLV-26/35kV  | 1*300    | 19.52          | 48.33     | 49.17  | 49.17  | 48.33  | 2602.0       | 2737.2  | 2737.2  | 2642.1  |
| YJLV-26/35kV  | 1*400    | 22.10          | 51.25     | 52.09  | 52.09  | 51.25  | 3000.9       | 3147.3  | 3147.3  | 3045.3  |
| YJLSV-26/35kV | 1*500/35 | 25.00          | 57.04     | 57.88  | 57.88  | 57.04  | 3525.9       | 3690.7  | 3690.7  | 3576.6  |
| YJLSV-26/35kV | 1*630/35 | 28.40          | 60.61     | 61.45  | 61.45  | 60.61  | 4106.4       | 4283.3  | 4283.3  | 4161.4  |
| YJLSV-26/35kV | 1*800/35 | 34.00          | 66.38     | 67.22  | 67.22  | 66.38  | 4917.0       | 5112.7  | 5112.7  | 4978.7  |
| YJLV-26/35kV  | 3*50     | 7.65           | 74.70     | 74.70  | 74.70  | 74.70  | 4456.6       | 4508.8  | 4508.8  | 4508.8  |
| YJLV-26/35kV  | 3*70     | 9.19           | 78.19     | 78.19  | 78.19  | 78.19  | 4995.4       | 5050.9  | 5050.9  | 5050.9  |
| YJLV-26/35kV  | 3*95     | 10.85          | 81.95     | 81.95  | 81.95  | 81.95  | 5647.0       | 5706.0  | 5706.0  | 5706.0  |
| YJLV-26/35kV  | 3*120    | 12.28          | 85.21     | 85.21  | 85.21  | 85.21  | 6189.3       | 6251.5  | 6251.5  | 6251.5  |

| 型号            | 型号规格     | 导体<br>直径<br>mm | 电缆近似外径 mm |        |        |        | 电缆近似重量 kg/km |         |         |         |
|---------------|----------|----------------|-----------|--------|--------|--------|--------------|---------|---------|---------|
|               |          |                | 非阻燃       | ZA     | ZB     | ZC     | 非阻燃          | ZA      | ZB      | ZC      |
| YJLV-26/35kV  | 3*150    | 13.59          | 88.21     | 88.21  | 88.21  | 88.21  | 6705.3       | 6770.5  | 6770.5  | 6770.5  |
| YJLV-26/35kV  | 3*185    | 15.23          | 91.92     | 91.92  | 91.92  | 91.92  | 7472.9       | 7541.8  | 7541.8  | 7541.8  |
| YJLV-26/35kV  | 3*240    | 17.43          | 97.01     | 97.01  | 97.01  | 97.01  | 8441.5       | 8516.0  | 8516.0  | 8516.0  |
| YJLV-26/35kV  | 3*300    | 19.52          | 101.70    | 101.70 | 101.70 | 101.70 | 9343.4       | 9422.5  | 9422.5  | 9422.5  |
| YJLV-26/35kV  | 3*400    | 22.10          | 107.78    | 107.78 | 107.78 | 107.78 | 10776.1      | 10862.9 | 10862.9 | 10862.9 |
| YJLSV-26/35kV | 3*500/35 | 25.00          | 120.39    | 120.39 | 120.39 | 120.39 | 12638.8      | 13335.7 | 13335.7 | 13335.7 |
| YJLSV-26/35kV | 3*630/35 | 28.40          | 128.24    | 128.24 | 128.24 | 128.24 | 14723.8      | 15512.0 | 15512.0 | 15512.0 |

(ZA/B/C)-YJLV-3.6/6kV 电缆电气参数 表 2-1-1

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km |              | 零序阻抗（一端接地）<br>Ω/km |              |
|-----------------------|-----------------------|-----------------------|-------------|------------|------|----------------|--------------|--------------------|--------------|
|                       |                       |                       |             | 导体         | 屏蔽   | 品字形            | 平行间距         | 品字形                | 平行间距         |
| 1×25                  | 1.20                  | 1.54                  | 0.2747      | 2.4        | 0.73 | 1.539+j0.129   | 1.539+j0.187 | 1.686+j0.884       | 1.686+j0.797 |
| 1×35                  | 0.868                 | 1.113                 | 0.2917      | 3.3        | 0.73 | 1.113+j0.121   | 1.113+j0.179 | 1.261+j0.868       | 1.261+j0.781 |
| 1×50                  | 0.641                 | 0.822                 | 0.3200      | 4.7        | 0.73 | 0.822+j0.113   | 0.822+j0.171 | 0.970+j0.850       | 0.970+j0.763 |
| 1×70                  | 0.443                 | 0.568                 | 0.3651      | 6.6        | 0.73 | 0.568+j0.108   | 0.568+j0.166 | 0.716+j0.829       | 0.716+j0.742 |
| 1×95                  | 0.320                 | 0.410                 | 0.4128      | 8.9        | 0.73 | 0.411+j0.103   | 0.411+j0.161 | 0.558+j0.810       | 0.558+j0.723 |
| 1×120                 | 0.253                 | 0.325                 | 0.4492      | 11.2       | 0.73 | 0.325+j0.099   | 0.325+j0.158 | 0.473+j0.795       | 0.473+j0.708 |
| 1×150                 | 0.206                 | 0.264                 | 0.4884      | 14.0       | 0.73 | 0.265+j0.096   | 0.264+j0.154 | 0.413+j0.781       | 0.412+j0.694 |
| 1×185                 | 0.164                 | 0.211                 | 0.5331      | 17.2       | 0.73 | 0.211+j0.093   | 0.211+j0.152 | 0.359+j0.766       | 0.359+j0.679 |
| 1×240                 | 0.125                 | 0.161                 | 0.5741      | 22.3       | 0.73 | 0.161+j0.090   | 0.161+j0.148 | 0.309+j0.748       | 0.309+j0.661 |
| 1×300                 | 0.100                 | 0.129                 | 0.5900      | 27.8       | 0.73 | 0.129+j0.089   | 0.129+j0.147 | 0.277+j0.730       | 0.277+j0.643 |
| 1×400                 | 0.0778                | 0.1007                | 0.6131      | 37.0       | 0.73 | 0.101+j0.086   | 0.101+j0.144 | 0.249+j0.709       | 0.249+j0.622 |
| 1×500                 | 0.0605                | 0.0789                | 0.6464      | 46.2       | 0.73 | 0.080+j0.085   | 0.079+j0.143 | 0.228+j0.690       | 0.227+j0.603 |
| 1×630                 | 0.0469                | 0.0618                | 0.7204      | 58.1       | 0.73 | 0.063+j0.083   | 0.062+j0.141 | 0.211+j0.672       | 0.210+j0.585 |
| 1×800                 | 0.0367                | 0.0492                | 0.8466      | 73.7       | 0.73 | 0.051+j0.083   | 0.049+j0.141 | 0.199+j0.648       | 0.197+j0.561 |

(ZA/B/C)-YJLV-3.6/6kV 电缆电气参数 表 2-1-2

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 电感<br>mH/km | 阻抗<br>Ω/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km | 零序阻抗<br>(一端接地)<br>Ω/km |
|-----------------------|-----------------------|-----------------------|-------------|-------------|------------|------------|------|----------------|------------------------|
|                       |                       |                       |             |             |            | 导体         | 屏蔽   |                |                        |
| 3×25                  | 1.20                  | 1.53                  | 0.2747      | 0.3791      | 1.5348     | 2.4        | 1.92 | 1.530+j0.115   | 1.678+j0.913           |
| 3×35                  | 0.868                 | 1.107                 | 0.2917      | 0.3682      | 1.1129     | 3.3        | 1.92 | 1.107+j0.107   | 1.255+j0.897           |
| 3×50                  | 0.641                 | 0.817                 | 0.3200      | 0.3528      | 0.8250     | 4.7        | 1.92 | 0.818+j0.099   | 0.966+j0.878           |
| 3×70                  | 0.443                 | 0.565                 | 0.3651      | 0.3250      | 0.5743     | 6.6        | 1.92 | 0.565+j0.095   | 0.713+j0.855           |
| 3×95                  | 0.320                 | 0.408                 | 0.4128      | 0.3094      | 0.4198     | 8.9        | 1.92 | 0.408+j0.091   | 0.557+j0.834           |
| 3×120                 | 0.253                 | 0.323                 | 0.4492      | 0.2999      | 0.3366     | 11.2       | 1.92 | 0.323+j0.088   | 0.471+j0.819           |
| 3×150                 | 0.206                 | 0.263                 | 0.4884      | 0.2887      | 0.2785     | 14.0       | 1.92 | 0.263+j0.085   | 0.412+j0.803           |
| 3×185                 | 0.164                 | 0.210                 | 0.5331      | 0.2805      | 0.2277     | 17.2       | 1.92 | 0.210+j0.083   | 0.358+j0.788           |
| 3×240                 | 0.125                 | 0.160                 | 0.5741      | 0.2727      | 0.1820     | 22.3       | 1.92 | 0.161+j0.080   | 0.309+j0.768           |
| 3×300                 | 0.100                 | 0.129                 | 0.5900      | 0.2668      | 0.1538     | 27.8       | 1.92 | 0.129+j0.079   | 0.277+j0.749           |
| 3×400                 | 0.0778                | 0.1010                | 0.6131      | 0.2620      | 0.1304     | 37.0       | 1.92 | 0.101+j0.076   | 0.249+j0.728           |
| 3×500                 | 0.0605                | 0.0795                | 0.6464      | 0.2516      | 0.1122     | 46.2       | 1.92 | 0.080+j0.076   | 0.228+j0.708           |
| 3×630                 | 0.0469                | 0.0629                | 0.7204      | 0.2427      | 0.0990     | 58.1       | 1.92 | 0.063+j0.074   | 0.211+j0.689           |

(ZA/B/C)-YJLV-6/6kV(6/10kV)电缆电气参数 表 2-2-1

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km |              | 零序阻抗（一端接地）<br>Ω/km |              |
|-----------------------|-----------------------|-----------------------|-------------|------------|------|----------------|--------------|--------------------|--------------|
|                       |                       |                       |             | 导体         | 屏蔽   | 品字形            | 平行间距         | 品字形                | 平行间距         |
| 1×25                  | 1.20                  | 1.54                  | 0.2173      | 2.4        | 0.73 | 1.539+j0.135   | 1.539+j0.193 | 1.686+j0.871       | 1.686+j0.784 |
| 1×35                  | 0.868                 | 1.113                 | 0.2300      | 3.3        | 0.73 | 1.113+j0.127   | 1.113+j0.185 | 1.261+j0.857       | 1.261+j0.770 |
| 1×50                  | 0.641                 | 0.822                 | 0.2510      | 4.7        | 0.73 | 0.822+j0.119   | 0.822+j0.177 | 0.970+j0.838       | 0.970+j0.751 |
| 1×70                  | 0.443                 | 0.568                 | 0.2844      | 6.6        | 0.73 | 0.568+j0.113   | 0.568+j0.171 | 0.716+j0.819       | 0.716+j0.732 |
| 1×95                  | 0.320                 | 0.410                 | 0.3197      | 8.9        | 0.73 | 0.411+j0.108   | 0.410+j0.166 | 0.558+j0.800       | 0.558+j0.713 |
| 1×120                 | 0.253                 | 0.325                 | 0.3467      | 11.2       | 0.73 | 0.325+j0.104   | 0.325+j0.162 | 0.473+j0.786       | 0.473+j0.699 |
| 1×150                 | 0.206                 | 0.264                 | 0.3756      | 14.0       | 0.73 | 0.265+j0.101   | 0.264+j0.159 | 0.413+j0.772       | 0.412+j0.685 |
| 1×185                 | 0.164                 | 0.211                 | 0.4087      | 17.2       | 0.73 | 0.211+j0.097   | 0.211+j0.155 | 0.359+j0.758       | 0.359+j0.671 |
| 1×240                 | 0.125                 | 0.161                 | 0.4540      | 22.3       | 0.73 | 0.161+j0.094   | 0.161+j0.152 | 0.309+j0.740       | 0.309+j0.653 |
| 1×300                 | 0.100                 | 0.129                 | 0.4972      | 27.8       | 0.73 | 0.129+j0.091   | 0.129+j0.149 | 0.277+j0.725       | 0.277+j0.638 |
| 1×400                 | 0.0778                | 0.1007                | 0.5485      | 37.0       | 0.73 | 0.101+j0.087   | 0.101+j0.145 | 0.249+j0.706       | 0.249+j0.619 |
| 1×500                 | 0.0605                | 0.0789                | 0.6122      | 46.2       | 0.73 | 0.080+j0.085   | 0.079+j0.143 | 0.228+j0.689       | 0.227+j0.602 |
| 1×630                 | 0.0469                | 0.0618                | 0.6819      | 58.1       | 0.73 | 0.063+j0.083   | 0.062+j0.141 | 0.211+j0.671       | 0.210+j0.584 |
| 1×800                 | 0.0367                | 0.0492                | 0.8007      | 73.7       | 0.73 | 0.051+j0.084   | 0.049+j0.142 | 0.199+j0.647       | 0.197+j0.560 |

(ZA/B/C)-YJLV-6/6kV(6/10kV)电缆电气参数 表 2-2-2

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 电感<br>mH/km | 阻抗<br>Ω/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km | 零序阻抗<br>(一端接地)<br>Ω/km |
|-----------------------|-----------------------|-----------------------|-------------|-------------|------------|------------|------|----------------|------------------------|
|                       |                       |                       |             |             |            | 导体         | 屏蔽   |                |                        |
| 3×25                  | 1.20                  | 1.53                  | 0.2173      | 0.4025      | 1.5354     | 2.4        | 1.92 | 1.530+j0.122   | 1.678+j0.898           |
| 3×35                  | 0.868                 | 1.107                 | 0.2300      | 0.3907      | 1.1137     | 3.3        | 1.92 | 1.107+j0.114   | 1.255+j0.883           |
| 3×50                  | 0.641                 | 0.817                 | 0.2510      | 0.3740      | 0.8259     | 4.7        | 1.92 | 0.817+j0.106   | 0.966+j0.864           |
| 3×70                  | 0.443                 | 0.565                 | 0.2844      | 0.3444      | 0.5754     | 6.6        | 1.92 | 0.565+j0.101   | 0.713+j0.843           |
| 3×95                  | 0.320                 | 0.408                 | 0.3197      | 0.3272      | 0.4211     | 8.9        | 1.92 | 0.408+j0.096   | 0.557+j0.823           |
| 3×120                 | 0.253                 | 0.323                 | 0.3467      | 0.3165      | 0.3380     | 11.2       | 1.92 | 0.323+j0.093   | 0.471+j0.808           |
| 3×150                 | 0.206                 | 0.263                 | 0.3756      | 0.3044      | 0.2801     | 14.0       | 1.92 | 0.263+j0.090   | 0.411+j0.793           |
| 3×185                 | 0.164                 | 0.210                 | 0.4087      | 0.2951      | 0.2295     | 17.2       | 1.92 | 0.210+j0.087   | 0.358+j0.779           |
| 3×240                 | 0.125                 | 0.160                 | 0.4540      | 0.2846      | 0.1837     | 22.3       | 1.92 | 0.160+j0.084   | 0.309+j0.760           |
| 3×300                 | 0.100                 | 0.129                 | 0.4972      | 0.2750      | 0.1552     | 27.8       | 1.92 | 0.129+j0.082   | 0.277+j0.744           |
| 3×400                 | 0.0778                | 0.1010                | 0.5485      | 0.2670      | 0.1314     | 37.0       | 1.92 | 0.101+j0.078   | 0.249+j0.725           |
| 3×500                 | 0.0605                | 0.0795                | 0.6122      | 0.2539      | 0.1127     | 46.2       | 1.92 | 0.080+j0.077   | 0.228+j0.706           |
| 3×630                 | 0.0469                | 0.0629                | 0.6819      | 0.2449      | 0.0995     | 58.1       | 1.92 | 0.063+j0.075   | 0.211+j0.688           |

(ZA/B/C)-YJLV-8.7/10kV(8.7/15kV)电缆电气参数 表 2-3-1

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km |              | 零序阻抗（一端接地）<br>Ω/km |              |
|-----------------------|-----------------------|-----------------------|-------------|------------|------|----------------|--------------|--------------------|--------------|
|                       |                       |                       |             | 导体         | 屏蔽   | 品字形            | 平行间距         | 品字形                | 平行间距         |
| 1×25                  | 1.20                  | 1.54                  | 0.1778      | 2.4        | 0.73 | 1.539+j0.142   | 1.539+j0.201 | 1.686+j0.857       | 1.686+j0.77  |
| 1×35                  | 0.868                 | 1.113                 | 0.1875      | 3.3        | 0.73 | 1.113+j0.134   | 1.113+j0.192 | 1.261+j0.843       | 1.261+j0.756 |
| 1×50                  | 0.641                 | 0.822                 | 0.2036      | 4.7        | 0.73 | 0.822+j0.125   | 0.822+j0.183 | 0.970+j0.826       | 0.970+j0.739 |
| 1×70                  | 0.443                 | 0.568                 | 0.2291      | 6.6        | 0.73 | 0.568+j0.119   | 0.568+j0.177 | 0.716+j0.807       | 0.716+j0.720 |
| 1×95                  | 0.320                 | 0.410                 | 0.2561      | 8.9        | 0.73 | 0.411+j0.114   | 0.410+j0.172 | 0.558+j0.788       | 0.558+j0.701 |
| 1×120                 | 0.253                 | 0.325                 | 0.2766      | 11.2       | 0.73 | 0.325+j0.109   | 0.325+j0.167 | 0.473+j0.775       | 0.473+j0.688 |
| 1×150                 | 0.206                 | 0.264                 | 0.2986      | 14.0       | 0.73 | 0.265+j0.106   | 0.264+j0.164 | 0.412+j0.762       | 0.412+j0.675 |
| 1×185                 | 0.164                 | 0.211                 | 0.3238      | 17.2       | 0.73 | 0.211+j0.102   | 0.211+j0.160 | 0.359+j0.749       | 0.359+j0.662 |
| 1×240                 | 0.125                 | 0.161                 | 0.3582      | 22.3       | 0.73 | 0.161+j0.099   | 0.161+j0.157 | 0.309+j0.731       | 0.309+j0.644 |
| 1×300                 | 0.100                 | 0.129                 | 0.3910      | 27.8       | 0.73 | 0.129+j0.096   | 0.129+j0.154 | 0.277+j0.716       | 0.277+j0.629 |
| 1×400                 | 0.0778                | 0.1007                | 0.4299      | 37.0       | 0.73 | 0.101+j0.091   | 0.101+j0.149 | 0.249+j0.699       | 0.249+j0.611 |
| 1×500                 | 0.0605                | 0.0789                | 0.4781      | 46.2       | 0.73 | 0.080+j0.089   | 0.079+j0.147 | 0.227+j0.682       | 0.227+j0.594 |
| 1×630                 | 0.0469                | 0.0618                | 0.5309      | 58.1       | 0.73 | 0.063+j0.087   | 0.062+j0.145 | 0.211+j0.664       | 0.210+j0.577 |
| 1×800                 | 0.0367                | 0.0492                | 0.6209      | 73.7       | 0.73 | 0.051+j0.087   | 0.049+j0.145 | 0.199+j0.642       | 0.197+j0.554 |

(ZA/B/C)-YJLV-8.7/10kV(8.7/15kV)电缆电气参数 表 2-3-2

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 电感<br>mH/km | 阻抗<br>Ω/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km | 零序阻抗<br>(一端接地)<br>Ω/km |
|-----------------------|-----------------------|-----------------------|-------------|-------------|------------|------------|------|----------------|------------------------|
|                       |                       |                       |             |             |            | 导体         | 屏蔽   |                |                        |
| 3×25                  | 1.20                  | 1.53                  | 0.1778      | 0.4278      | 1.5361     | 2.4        | 1.92 | 1.530+j0.130   | 1.678+j0.882           |
| 3×35                  | 0.868                 | 1.107                 | 0.1875      | 0.4152      | 1.1145     | 3.3        | 1.92 | 1.107+j0.121   | 1.255+j0.867           |
| 3×50                  | 0.641                 | 0.817                 | 0.2036      | 0.3971      | 0.8269     | 4.7        | 1.92 | 0.817+j0.113   | 0.966+j0.850           |
| 3×70                  | 0.443                 | 0.565                 | 0.2291      | 0.3658      | 0.5767     | 6.6        | 1.92 | 0.565+j0.108   | 0.713+j0.83            |
| 3×95                  | 0.320                 | 0.408                 | 0.2561      | 0.3469      | 0.4227     | 8.9        | 1.92 | 0.408+j0.103   | 0.557+j0.810           |
| 3×120                 | 0.253                 | 0.323                 | 0.2766      | 0.3352      | 0.3398     | 11.2       | 1.92 | 0.323+j0.099   | 0.471+j0.796           |
| 3×150                 | 0.206                 | 0.263                 | 0.2986      | 0.3220      | 0.2820     | 14.0       | 1.92 | 0.263+j0.095   | 0.411+j0.782           |
| 3×185                 | 0.164                 | 0.210                 | 0.3238      | 0.3117      | 0.2316     | 17.2       | 1.92 | 0.210+j0.092   | 0.358+j0.768           |
| 3×240                 | 0.125                 | 0.160                 | 0.3582      | 0.2999      | 0.1860     | 22.3       | 1.92 | 0.160+j0.089   | 0.309+j0.751           |
| 3×300                 | 0.100                 | 0.129                 | 0.3910      | 0.2893      | 0.1577     | 27.8       | 1.92 | 0.129+j0.086   | 0.277+j0.735           |
| 3×400                 | 0.0778                | 0.1010                | 0.4299      | 0.2802      | 0.1340     | 37.0       | 1.92 | 0.101+j0.082   | 0.249+j0.717           |
| 3×500                 | 0.0605                | 0.0795                | 0.4781      | 0.2661      | 0.1154     | 46.2       | 1.92 | 0.079+j0.08    | 0.228+j0.699           |
| 3×630                 | 0.0469                | 0.0629                | 0.5309      | 0.2561      | 0.1021     | 58.1       | 1.92 | 0.063+j0.078   | 0.211+j0.681           |

(ZA/B/C)-YJLV-12/20kV 电缆电气参数 表 2-4-1

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km |              | 零序阻抗（一端接地）<br>Ω/km |              |
|-----------------------|-----------------------|-----------------------|-------------|------------|------|----------------|--------------|--------------------|--------------|
|                       |                       |                       |             | 导体         | 屏蔽   | 品字形            | 平行间距         | 品字形                | 平行间距         |
| 1×35                  | 0.868                 | 1.113                 | 0.1632      | 3.3        | 0.73 | 1.113+j0.139   | 1.113+j0.197 | 1.261+j0.832       | 1.261+j0.744 |
| 1×50                  | 0.641                 | 0.822                 | 0.1766      | 4.7        | 0.73 | 0.822+j0.130   | 0.822+j0.188 | 0.970+j0.815       | 0.970+j0.728 |
| 1×70                  | 0.443                 | 0.568                 | 0.1977      | 6.6        | 0.73 | 0.568+j0.124   | 0.568+j0.182 | 0.716+j0.797       | 0.716+j0.710 |
| 1×95                  | 0.320                 | 0.410                 | 0.2200      | 8.9        | 0.73 | 0.411+j0.118   | 0.410+j0.176 | 0.558+j0.780       | 0.558+j0.693 |
| 1×120                 | 0.253                 | 0.325                 | 0.2369      | 11.2       | 0.73 | 0.325+j0.114   | 0.325+j0.172 | 0.473+j0.766       | 0.473+j0.679 |
| 1×150                 | 0.206                 | 0.264                 | 0.2551      | 14.0       | 0.73 | 0.265+j0.110   | 0.264+j0.168 | 0.412+j0.754       | 0.412+j0.667 |
| 1×185                 | 0.164                 | 0.211                 | 0.2758      | 17.2       | 0.73 | 0.211+j0.106   | 0.211+j0.164 | 0.359+j0.740       | 0.359+j0.653 |
| 1×240                 | 0.125                 | 0.161                 | 0.3041      | 22.3       | 0.73 | 0.161+j0.102   | 0.161+j0.160 | 0.309+j0.724       | 0.309+j0.637 |
| 1×300                 | 0.100                 | 0.129                 | 0.3310      | 27.8       | 0.73 | 0.129+j0.099   | 0.129+j0.157 | 0.277+j0.710       | 0.277+j0.623 |
| 1×400                 | 0.0778                | 0.1007                | 0.3630      | 37.0       | 0.73 | 0.101+j0.094   | 0.101+j0.152 | 0.249+j0.692       | 0.249+j0.605 |
| 1×500                 | 0.0605                | 0.0789                | 0.4026      | 46.2       | 0.73 | 0.079+j0.092   | 0.079+j0.150 | 0.227+j0.676       | 0.227+j0.589 |
| 1×630                 | 0.0469                | 0.0618                | 0.4459      | 58.1       | 0.73 | 0.063+j0.089   | 0.062+j0.147 | 0.211+j0.659       | 0.210+j0.572 |
| 1×800                 | 0.0367                | 0.0492                | 0.5196      | 73.7       | 0.73 | 0.050+j0.089   | 0.049+j0.147 | 0.198+j0.636       | 0.197+j0.549 |

(ZA/B/C)-YJLV-12/20kV 电缆电气参数 表 2-4-2

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 电感<br>mH/km | 阻抗<br>Ω/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km | 零序阻抗<br>(一端接地)<br>Ω/km |
|-----------------------|-----------------------|-----------------------|-------------|-------------|------------|------------|------|----------------|------------------------|
|                       |                       |                       |             |             |            | 导体         | 屏蔽   |                |                        |
| 3×35                  | 0.868                 | 1.107                 | 0.1632      | 0.4351      | 1.1153     | 3.3        | 1.92 | 1.107+j0.128   | 1.255+j0.855           |
| 3×50                  | 0.641                 | 0.817                 | 0.1766      | 0.4161      | 0.8279     | 4.7        | 1.92 | 0.817+j0.119   | 0.966+j0.838           |
| 3×70                  | 0.443                 | 0.565                 | 0.1977      | 0.3834      | 0.5778     | 6.6        | 1.92 | 0.565+j0.113   | 0.713+j0.818           |
| 3×95                  | 0.320                 | 0.408                 | 0.2200      | 0.3633      | 0.4261     | 8.9        | 1.92 | 0.411+j0.108   | 0.559+j0.800           |
| 3×120                 | 0.253                 | 0.323                 | 0.2369      | 0.3508      | 0.3430     | 11.2       | 1.92 | 0.325+j0.104   | 0.473+j0.787           |
| 3×150                 | 0.206                 | 0.263                 | 0.2551      | 0.3368      | 0.2850     | 14.0       | 1.92 | 0.265+j0.100   | 0.413+j0.773           |
| 3×185                 | 0.164                 | 0.210                 | 0.2758      | 0.3256      | 0.2344     | 17.2       | 1.92 | 0.211+j0.097   | 0.359+j0.760           |
| 3×240                 | 0.125                 | 0.160                 | 0.3041      | 0.3129      | 0.1888     | 22.3       | 1.92 | 0.161+j0.093   | 0.309+j0.742           |
| 3×300                 | 0.100                 | 0.129                 | 0.3310      | 0.3014      | 0.1604     | 27.8       | 1.92 | 0.129+j0.090   | 0.278+j0.727           |
| 3×400                 | 0.0778                | 0.1010                | 0.3630      | 0.2915      | 0.1366     | 37.0       | 1.92 | 0.101+j0.085   | 0.250+j0.709           |
| 3×500                 | 0.0605                | 0.0795                | 0.4026      | 0.2762      | 0.1179     | 46.2       | 1.92 | 0.080+j0.084   | 0.228+j0.692           |
| 3×630                 | 0.0469                | 0.0629                | 0.4459      | 0.2655      | 0.1046     | 58.1       | 1.92 | 0.063+j0.081   | 0.211+j0.675           |

(ZA/B/C)-YJLV-18/20kV(18/30kV)电缆电气参数 表 2-5-1

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km |              | 零序阻抗（一端接地）<br>Ω/km |              |
|-----------------------|-----------------------|-----------------------|-------------|------------|------|----------------|--------------|--------------------|--------------|
|                       |                       |                       |             | 导体         | 屏蔽   | 品字形            | 平行间距         | 品字形                | 平行间距         |
| 1×50                  | 0.641                 | 0.822                 | 0.1378      | 4.7        | 0.73 | 0.822+j0.142   | 0.822+j0.200 | 0.970+j0.792       | 0.970+j0.705 |
| 1×70                  | 0.443                 | 0.568                 | 0.1528      | 6.6        | 0.73 | 0.568+j0.135   | 0.568+j0.193 | 0.716+j0.775       | 0.716+j0.688 |
| 1×95                  | 0.320                 | 0.410                 | 0.1685      | 8.9        | 0.73 | 0.411+j0.129   | 0.410+j0.187 | 0.558+j0.759       | 0.558+j0.672 |
| 1×120                 | 0.253                 | 0.325                 | 0.1804      | 11.2       | 0.73 | 0.325+j0.123   | 0.325+j0.182 | 0.473+j0.747       | 0.473+j0.660 |
| 1×150                 | 0.206                 | 0.264                 | 0.1931      | 14.0       | 0.73 | 0.265+j0.119   | 0.264+j0.177 | 0.412+j0.735       | 0.412+j0.647 |
| 1×185                 | 0.164                 | 0.211                 | 0.2076      | 17.2       | 0.73 | 0.211+j0.115   | 0.211+j0.173 | 0.359+j0.723       | 0.359+j0.636 |
| 1×240                 | 0.125                 | 0.161                 | 0.2273      | 22.3       | 0.73 | 0.161+j0.111   | 0.161+j0.169 | 0.309+j0.707       | 0.309+j0.620 |
| 1×300                 | 0.100                 | 0.129                 | 0.2461      | 27.8       | 0.73 | 0.129+j0.107   | 0.129+j0.165 | 0.277+j0.694       | 0.277+j0.606 |
| 1×400                 | 0.0778                | 0.1007                | 0.2683      | 37.0       | 0.73 | 0.101+j0.102   | 0.101+j0.160 | 0.249+j0.677       | 0.249+j0.590 |
| 1×500                 | 0.0605                | 0.0789                | 0.2958      | 46.2       | 0.73 | 0.079+j0.099   | 0.079+j0.157 | 0.227+j0.662       | 0.227+j0.575 |
| 1×630                 | 0.0469                | 0.0618                | 0.3258      | 58.1       | 0.73 | 0.062+j0.096   | 0.062+j0.154 | 0.210+j0.646       | 0.210+j0.559 |
| 1×800                 | 0.0367                | 0.0492                | 0.3768      | 73.7       | 0.73 | 0.050+j0.095   | 0.049+j0.153 | 0.198+j0.625       | 0.197+j0.538 |

(ZA/B/C)-YJLV-18/20kV(18/30kV)电缆电气参数 表 2-5-2

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 电感<br>mH/km | 阻抗<br>Ω/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km | 零序阻抗<br>（一端接地）<br>Ω/km |
|-----------------------|-----------------------|-----------------------|-------------|-------------|------------|------------|------|----------------|------------------------|
|                       |                       |                       |             |             |            | 导体         | 屏蔽   |                |                        |
| 3×50                  | 0.641                 | 0.817                 | 0.1378      | 0.4569      | 0.8344     | 4.7        | 1.92 | 0.822+j0.132   | 0.970+j0.812           |
| 3×70                  | 0.443                 | 0.565                 | 0.1528      | 0.4217      | 0.5834     | 6.6        | 1.92 | 0.568+j0.125   | 0.716+j0.794           |
| 3×95                  | 0.320                 | 0.408                 | 0.1685      | 0.3993      | 0.4293     | 8.9        | 1.92 | 0.411+j0.119   | 0.559+j0.778           |
| 3×120                 | 0.253                 | 0.323                 | 0.1804      | 0.3851      | 0.3465     | 11.2       | 1.92 | 0.325+j0.114   | 0.473+j0.765           |
| 3×150                 | 0.206                 | 0.263                 | 0.1931      | 0.3695      | 0.2889     | 14.0       | 1.92 | 0.265+j0.110   | 0.413+j0.753           |
| 3×185                 | 0.164                 | 0.210                 | 0.2076      | 0.3567      | 0.2388     | 17.2       | 1.92 | 0.211+j0.107   | 0.359+j0.740           |
| 3×240                 | 0.125                 | 0.160                 | 0.2273      | 0.3420      | 0.1936     | 22.3       | 1.92 | 0.161+j0.102   | 0.309+j0.724           |
| 3×300                 | 0.100                 | 0.129                 | 0.2461      | 0.3289      | 0.1655     | 27.8       | 1.92 | 0.129+j0.099   | 0.277+j0.710           |
| 3×400                 | 0.0778                | 0.1010                | 0.2683      | 0.3172      | 0.1420     | 37.0       | 1.92 | 0.101+j0.094   | 0.249+j0.693           |
| 3×500                 | 0.0605                | 0.0795                | 0.2958      | 0.3002      | 0.1234     | 46.2       | 1.92 | 0.080+j0.091   | 0.228+j0.677           |
| 3×630                 | 0.0469                | 0.0629                | 0.3258      | 0.2878      | 0.1101     | 58.1       | 1.92 | 0.063+j0.088   | 0.211+j0.661           |

(ZA/B/C)-YJL(S)V-21/35kV 电缆电气参数 表 2-6-1

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km |              | 零序阻抗（一端接地）<br>Ω/km |              |
|-----------------------|-----------------------|-----------------------|-------------|------------|------|----------------|--------------|--------------------|--------------|
|                       |                       |                       |             | 导体         | 屏蔽   | 品字形            | 平行间距         | 品字形                | 平行间距         |
| 1×50                  | 0.641                 | 0.822                 | 0.1256      | 4.7        | 0.73 | 0.822+j0.147   | 0.822+j0.205 | 0.970+j0.782       | 0.970+j0.694 |
| 1×70                  | 0.443                 | 0.568                 | 0.1387      | 6.6        | 0.73 | 0.568+j0.140   | 0.568+j0.198 | 0.716+j0.765       | 0.716+j0.678 |
| 1×95                  | 0.320                 | 0.410                 | 0.1524      | 8.9        | 0.73 | 0.411+j0.133   | 0.410+j0.191 | 0.558+j0.749       | 0.558+j0.662 |
| 1×120                 | 0.253                 | 0.325                 | 0.1627      | 11.2       | 0.73 | 0.325+j0.128   | 0.325+j0.186 | 0.473+j0.738       | 0.473+j0.651 |
| 1×150                 | 0.206                 | 0.264                 | 0.1738      | 14.0       | 0.73 | 0.265+j0.124   | 0.264+j0.182 | 0.412+j0.726       | 0.412+j0.639 |
| 1×185                 | 0.164                 | 0.211                 | 0.1863      | 17.2       | 0.73 | 0.211+j0.119   | 0.211+j0.177 | 0.359+j0.714       | 0.359+j0.627 |
| 1×240                 | 0.125                 | 0.161                 | 0.2035      | 22.3       | 0.73 | 0.161+j0.115   | 0.161+j0.173 | 0.309+j0.699       | 0.309+j0.612 |
| 1×300                 | 0.100                 | 0.129                 | 0.2197      | 27.8       | 0.73 | 0.129+j0.111   | 0.129+j0.169 | 0.277+j0.686       | 0.277+j0.599 |
| 1×400                 | 0.0778                | 0.1007                | 0.2390      | 37.0       | 0.73 | 0.101+j0.105   | 0.101+j0.163 | 0.249+j0.670       | 0.249+j0.583 |
| 1×500/35              | 0.0605                | 0.0789                | 0.2627      | 46.2       | 7.2  | 0.079+j0.102   | 0.079+j0.160 | 0.227+j0.655       | 0.227+j0.568 |
| 1×630/35              | 0.0469                | 0.0618                | 0.2887      | 58.1       | 7.2  | 0.062+j0.099   | 0.062+j0.157 | 0.210+j0.639       | 0.210+j0.552 |
| 1×800/35              | 0.0367                | 0.0492                | 0.3327      | 73.7       | 7.2  | 0.050+j0.098   | 0.049+j0.156 | 0.198+j0.619       | 0.197+j0.532 |

(ZA/B/C)-YJL(S)V-21/35kV 电缆电气参数 表 2-6-2

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 电感<br>mH/km | 阻抗<br>Ω/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km | 零序阻抗<br>（一端接地）<br>Ω/km |
|-----------------------|-----------------------|-----------------------|-------------|-------------|------------|------------|------|----------------|------------------------|
|                       |                       |                       |             |             |            | 导体         | 屏蔽   |                |                        |
| 3×50                  | 0.641                 | 0.817                 | 0.1256      | 0.4752      | 0.8354     | 4.7        | 1.92 | 0.822+j0.138   | 0.970+j0.801           |
| 3×70                  | 0.443                 | 0.565                 | 0.1387      | 0.4390      | 0.5847     | 6.6        | 1.92 | 0.568+j0.131   | 0.716+j0.784           |
| 3×95                  | 0.320                 | 0.408                 | 0.1524      | 0.4157      | 0.4308     | 8.9        | 1.92 | 0.411+j0.124   | 0.559+j0.767           |
| 3×120                 | 0.253                 | 0.323                 | 0.1627      | 0.4009      | 0.3483     | 11.2       | 1.92 | 0.325+j0.119   | 0.473+j0.755           |
| 3×150                 | 0.206                 | 0.263                 | 0.1738      | 0.3846      | 0.2908     | 14.0       | 1.92 | 0.265+j0.115   | 0.413+j0.743           |
| 3×185                 | 0.164                 | 0.210                 | 0.1863      | 0.3712      | 0.2409     | 17.2       | 1.92 | 0.211+j0.111   | 0.359+j0.731           |
| 3×240                 | 0.125                 | 0.160                 | 0.2035      | 0.3556      | 0.1960     | 22.3       | 1.92 | 0.161+j0.106   | 0.309+j0.716           |
| 3×300                 | 0.100                 | 0.129                 | 0.2197      | 0.3418      | 0.1680     | 27.8       | 1.92 | 0.129+j0.103   | 0.277+j0.702           |
| 3×400                 | 0.0778                | 0.1010                | 0.2390      | 0.3293      | 0.1447     | 37.0       | 1.92 | 0.101+j0.097   | 0.249+j0.686           |
| 3×500/35              | 0.0605                | 0.0795                | 0.2627      | 0.3116      | 0.1261     | 46.2       | 21.6 | 0.079+j0.095   | 0.228+j0.670           |
| 3×630/35              | 0.0469                | 0.0629                | 0.2887      | 0.2985      | 0.1128     | 58.1       | 21.6 | 0.063+j0.092   | 0.211+j0.654           |

(ZA/B/C)-YJL(S)V-26/35kV 电缆电气参数 表 2-7-1

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km |              | 零序阻抗（一端接地）<br>Ω/km |              |
|-----------------------|-----------------------|-----------------------|-------------|------------|------|----------------|--------------|--------------------|--------------|
|                       |                       |                       |             | 导体         | 屏蔽   | 品字形            | 平行间距         | 品字形                | 平行间距         |
| 1×50                  | 0.641                 | 0.822                 | 0.1168      | 4.7        | 0.73 | 0.822+j0.152   | 0.822+j0.210 | 0.970+j0.772       | 0.970+j0.685 |
| 1×70                  | 0.443                 | 0.568                 | 0.1286      | 6.6        | 0.73 | 0.568+j0.144   | 0.568+j0.202 | 0.716+j0.757       | 0.716+j0.669 |
| 1×95                  | 0.320                 | 0.410                 | 0.1409      | 8.9        | 0.73 | 0.411+j0.137   | 0.410+j0.196 | 0.558+j0.741       | 0.558+j0.654 |
| 1×120                 | 0.253                 | 0.325                 | 0.1502      | 11.2       | 0.73 | 0.325+j0.132   | 0.325+j0.19  | 0.473+j0.730       | 0.473+j0.643 |
| 1×150                 | 0.206                 | 0.264                 | 0.1601      | 14.0       | 0.73 | 0.265+j0.127   | 0.264+j0.186 | 0.412+j0.718       | 0.412+j0.631 |
| 1×185                 | 0.164                 | 0.211                 | 0.1713      | 17.2       | 0.73 | 0.211+j0.123   | 0.211+j0.181 | 0.359+j0.707       | 0.359+j0.620 |
| 1×240                 | 0.125                 | 0.161                 | 0.1866      | 22.3       | 0.73 | 0.161+j0.118   | 0.161+j0.176 | 0.309+j0.692       | 0.309+j0.605 |
| 1×300                 | 0.100                 | 0.129                 | 0.2011      | 27.8       | 0.73 | 0.129+j0.114   | 0.129+j0.172 | 0.277+j0.679       | 0.277+j0.592 |
| 1×400                 | 0.0778                | 0.1007                | 0.2182      | 37.0       | 0.73 | 0.101+j0.108   | 0.101+j0.166 | 0.249+j0.664       | 0.249+j0.576 |
| 1×500/35              | 0.0605                | 0.0789                | 0.2394      | 46.2       | 7.2  | 0.079+j0.105   | 0.079+j0.163 | 0.227+j0.649       | 0.227+j0.562 |
| 1×630/35              | 0.0469                | 0.0618                | 0.2624      | 58.1       | 7.2  | 0.062+j0.102   | 0.062+j0.160 | 0.210+j0.634       | 0.210+j0.547 |
| 1×800/35              | 0.0367                | 0.0492                | 0.3016      | 73.7       | 7.2  | 0.050+j0.100   | 0.049+j0.158 | 0.198+j0.614       | 0.197+j0.527 |

(ZA/B/C)-YJL(S)V-26/35kV 电缆电气参数 表 2-7-2

| 规格<br>mm <sup>2</sup> | 20℃导体<br>直流电阻<br>Ω/km | 90℃导体<br>交流电阻<br>Ω/km | 电容<br>μF/km | 电感<br>mH/km | 阻抗<br>Ω/km | 短路电流 kA/1s |      | 正、负序阻抗<br>Ω/km | 零序阻抗<br>（一端接地）<br>Ω/km |
|-----------------------|-----------------------|-----------------------|-------------|-------------|------------|------------|------|----------------|------------------------|
|                       |                       |                       |             |             |            | 导体         | 屏蔽   |                |                        |
| 3×50                  | 0.641                 | 0.817                 | 0.1168      | 0.4908      | 0.8363     | 4.7        | 1.92 | 0.822+j0.143   | 0.970+j0.791           |
| 3×70                  | 0.443                 | 0.565                 | 0.1286      | 0.4538      | 0.5858     | 6.6        | 1.92 | 0.568+j0.135   | 0.716+j0.774           |
| 3×95                  | 0.320                 | 0.408                 | 0.1409      | 0.4297      | 0.4322     | 8.9        | 1.92 | 0.411+j0.129   | 0.559+j0.758           |
| 3×120                 | 0.253                 | 0.323                 | 0.1502      | 0.4144      | 0.3498     | 11.2       | 1.92 | 0.325+j0.124   | 0.473+j0.747           |
| 3×150                 | 0.206                 | 0.263                 | 0.1601      | 0.3977      | 0.2926     | 14.0       | 1.92 | 0.265+j0.119   | 0.413+j0.735           |
| 3×185                 | 0.164                 | 0.210                 | 0.1713      | 0.3836      | 0.2428     | 17.2       | 1.92 | 0.211+j0.115   | 0.359+j0.723           |
| 3×240                 | 0.125                 | 0.160                 | 0.1866      | 0.3674      | 0.1981     | 22.3       | 1.92 | 0.161+j0.110   | 0.309+j0.708           |
| 3×300                 | 0.100                 | 0.129                 | 0.2011      | 0.3530      | 0.1703     | 27.8       | 1.92 | 0.129+j0.106   | 0.277+j0.695           |
| 3×400                 | 0.0778                | 0.1010                | 0.2182      | 0.3399      | 0.1470     | 37.0       | 1.92 | 0.101+j0.101   | 0.249+j0.679           |
| 3×500/35              | 0.0605                | 0.0795                | 0.2394      | 0.3216      | 0.1285     | 46.2       | 21.6 | 0.079+j0.098   | 0.228+j0.664           |
| 3×630/35              | 0.0469                | 0.0629                | 0.2624      | 0.3079      | 0.1152     | 58.1       | 21.6 | 0.063+j0.095   | 0.211+j0.648           |

(ZA/B/C)-YJL(S)V-3.6/6kV~26/35kV 电缆载流量 表 3-1

| 规格<br>mm² | 40℃空气中<br>(非直射) |          | 40℃空气中<br>(太阳直射) |          | 25℃土壤中<br>(直埋) |          | 25℃土壤中<br>(穿管) |          | 规格<br>mm² | 40℃空气中  |          | 25℃土壤中 |     |
|-----------|-----------------|----------|------------------|----------|----------------|----------|----------------|----------|-----------|---------|----------|--------|-----|
|           | 品字<br>形         | 平行<br>间距 | 品字<br>形          | 平行<br>间距 | 品字<br>形        | 平行<br>间距 | 品字<br>形        | 平行<br>间距 |           | 非<br>直射 | 太阳<br>直射 | 直埋     | 穿管  |
| 1×25      | 114             | 135      | 88               | 119      | 118            | 123      | 106            | 107      | 3×25      | 107     | 92       | 115    | 76  |
| 1×35      | 138             | 162      | 106              | 142      | 140            | 145      | 126            | 127      | 3×35      | 129     | 110      | 134    | 90  |
| 1×50      | 164             | 194      | 126              | 170      | 165            | 172      | 149            | 150      | 3×50      | 154     | 131      | 158    | 106 |
| 1×70      | 205             | 242      | 156              | 212      | 202            | 210      | 182            | 184      | 3×70      | 191     | 162      | 194    | 130 |
| 1×95      | 250             | 295      | 190              | 259      | 241            | 252      | 218            | 220      | 3×95      | 231     | 195      | 230    | 155 |
| 1×120     | 288             | 341      | 218              | 298      | 274            | 287      | 248            | 251      | 3×120     | 273     | 231      | 267    | 179 |
| 1×150     | 327             | 387      | 247              | 338      | 307            | 321      | 279            | 281      | 3×150     | 309     | 261      | 299    | 201 |
| 1×185     | 376             | 446      | 284              | 389      | 348            | 365      | 316            | 319      | 3×185     | 355     | 299      | 339    | 228 |
| 1×240     | 445             | 528      | 334              | 459      | 404            | 424      | 368            | 372      | 3×240     | 417     | 351      | 393    | 265 |
| 1×300     | 511             | 608      | 383              | 528      | 457            | 480      | 417            | 421      | 3×300     | 478     | 402      | 444    | 299 |
| 1×400     | 596             | 711      | 446              | 616      | 523            | 551      | 479            | 484      | 3×400     | 554     | 465      | 508    | 344 |
| 1×500     | 696             | 830      | 518              | 718      | 598            | 632      | 549            | 557      | 3×500     | 643     | 539      | 581    | 394 |
| 1×630     | 813             | 973      | 603              | 840      | 683            | 725      | 629            | 641      | 3×630     | 745     | 623      | 662    | 452 |
| 1×800     | 958             | 1154     | 706              | 993      | 778            | 833      | 721            | 739      |           |         |          |        |     |

空气中环境温度不同时的载流量修正系数 表 3-2

| 导体工作温度<br>(℃) | 环境温度 (℃) (空气中) |      |      |      |      |      |      |      |
|---------------|----------------|------|------|------|------|------|------|------|
|               | 20             | 25   | 30   | 35   | 40   | 45   | 50   | 55   |
| 90            | 1.21           | 1.16 | 1.11 | 1.06 | 1.00 | 0.94 | 0.88 | 0.81 |

土壤环境温度不同时的载流量修正系数 表 3-3

| 导体工作温度<br>(℃) | 环境温度 (℃) (土壤中) |      |      |      |      |      |
|---------------|----------------|------|------|------|------|------|
|               | 10             | 15   | 20   | 25   | 30   | 35   |
| 90            | 1.11           | 1.07 | 1.04 | 1.00 | 0.96 | 0.92 |

土壤直埋敷设时热阻系数不同时的载流量修正系数 表 3-4

| 导体工作温度<br>(℃) | 土壤热阻系数 (K•m/W) |      |      |      |      |      |      |
|---------------|----------------|------|------|------|------|------|------|
|               | 0.7            | 1.0  | 1.2  | 1.5  | 2.0  | 2.5  | 3.0  |
| 90            | 1.13           | 1.00 | 0.93 | 0.86 | 0.76 | 0.69 | 0.64 |

土壤穿管敷设时热阻系数不同时的载流量修正系数 表 3-5

| 导体工作温度<br>(℃) | 土壤热阻系数 (K•m/W) |      |      |      |      |      |      |
|---------------|----------------|------|------|------|------|------|------|
|               | 0.7            | 1.0  | 1.2  | 1.5  | 2.0  | 2.5  | 3.0  |
| 90            | 1.08           | 1.00 | 0.96 | 0.90 | 0.82 | 0.77 | 0.72 |

直埋敷设时埋设深度不同时的载流量修正系数 表 3-6

| 导体工作温度<br>(℃) | 土壤敷设深度 m |      |      |      |      |      |
|---------------|----------|------|------|------|------|------|
|               | 0.5      | 0.7  | 1.0  | 1.5  | 2.0  | 2.5  |
| 90            | 1.07     | 1.03 | 1.00 | 0.96 | 0.94 | 0.92 |

直埋穿管敷设时埋设深度不同时的载流量修正系数 表 3-7

| 导体工作温度<br>(℃) | 土壤敷设深度 m |      |      |      |      |      |
|---------------|----------|------|------|------|------|------|
|               | 0.5      | 0.7  | 1.0  | 1.5  | 2.0  | 2.5  |
| 90            | 1.04     | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 |

- 1) 单芯电缆品字形排列时电缆相互接触，管道中时为管道相互接触；
- 2) 单芯电缆平行间距排列时电缆轴间距为2倍电缆直径；
- 3) 基准条件计算时土壤中深度取 1.0m，土壤热阻系数取 1.0K·m/W；
- 4) 根据土壤类型不同，不同热阻系数对应的土壤状况和气象条件大致为：  

0.7：土壤状况：非常潮湿，气象条件：连续降雨；1.0： 土壤状况：潮湿，气象条件：常规降雨；  
2.0：土壤状况：干燥，气象条件：不常降雨；3.0： 土壤状况：非常干燥，气象条件：很少或不降雨。
- 5) 管道为塑料管道，（假设管道内径为电缆外径的 1.5 倍，管道壁厚为管道内径的 6%）；
- 6) 金属屏蔽非两端直接接地。