

# BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V

Single conductor / unarmored

TYPE P POWER CABLE 600V or 0.6/1kV & 2000V, 18 AWG to 1111 MCM

A brand of the

**Prysmian**  
Group

## 600V or 600/1000V

| Type Designation | Draka Number | Conductor Size |                 | Sheath Thickness |      | Cable Diameter (nominal) |      | Impedance (Phase-Neutral) |      | Inductance |       | Capacitance |      | Calculated Ampacity <sup>†</sup> (measured @ °C) |     |     |      | Cable Weight (approximate) |       |
|------------------|--------------|----------------|-----------------|------------------|------|--------------------------|------|---------------------------|------|------------|-------|-------------|------|--|-----|-----|------|----------------------------|-------|
|                  |              | AWG/MCM        | mm <sup>2</sup> | in               | mm   | in                       | mm   | Ω/kft                     | Ω/km | mH/kft     | mH/km | pF/ft       | pF/m | 95   | 100 | 110 | 125* | Lbs/Mft                    | Kg/Km |
| SP-18            | 026000       | 18             | 0.96            | 0.030            | 0.76 | 0.110                    | 2.8  | 6.4                       | 21.0 | 0.18       | 0.6   | 58          | 190  | 16   | 16  | 17  | 24   | 10                         | 15    |
| SP-16            | 026001       | 16             | 1.23            | 0.030            | 0.76 | 0.120                    | 3.0  | 4.5                       | 14.8 | 0.18       | 0.6   | 65          | 213  | 20   | 23  | 25  | 35   | 15                         | 20    |
| SP-14            | 026002       | 14             | 1.94            | 0.030            | 0.76 | 0.140                    | 3.6  | 2.9                       | 9.5  | 0.16       | 0.5   | 77          | 253  | 29   | 37  | 39  | 56   | 20                         | 30    |
| SP-12            | 026003       | 12             | 3.08            | 0.030            | 0.76 | 0.150                    | 3.8  | 1.9                       | 6.2  | 0.15       | 0.5   | 90          | 295  | 38   | 45  | 49  | 67   | 25                         | 35    |
| SP-10            | 026004       | 10             | 5.58            | 0.030            | 0.76 | 0.180                    | 4.6  | 1.2                       | 3.9  | 0.14       | 0.5   | 107         | 351  | 51   | 58  | 61  | 87   | 45                         | 65    |
| SP-8             | 026005       | 8              | 7.57            | 0.045            | 1.14 | 0.240                    | 6.1  | 0.7                       | 2.3  | 0.14       | 0.5   | 95          | 311  | 67   | 72  | 77  | 90   | 70                         | 105   |
| SP-6             | 026006       | 6              | 12.5            | 0.045            | 1.14 | 0.290                    | 7.4  | 0.5                       | 1.6  | 0.12       | 0.4   | 126         | 413  | 90   | 96  | 103 | 126  | 100                        | 150   |
| SP-5             | 026007       | 5              | 18.6            | 0.045            | 1.14 | 0.340                    | 8.6  | 0.3                       | 1.6  | 0.12       | 0.4   | 140         | 459  | 111  | 109 | 117 | 153  | 145                        | 215   |
| SP-4             | 026008       | 4              | 21.5            | 0.045            | 1.14 | 0.360                    | 9.1  | 0.3                       | 1.6  | 0.12       | 0.4   | 153         | 502  | 122  | 128 | 137 | 158  | 170                        | 255   |
| SP-3             | 026009       | 3              | 27.2            | 0.045            | 1.14 | 0.400                    | 10.2 | 0.2                       | 0.7  | 0.11       | 0.4   | 173         | 567  | 142  | 146 | 156 | 195  | 255                        | 380   |
| SP-2             | 026010       | 2              | 33.7            | 0.045            | 1.14 | 0.420                    | 10.7 | 0.2                       | 0.7  | 0.11       | 0.4   | 187         | 613  | 162  | 169 | 181 | 217  | 260                        | 385   |
| SP-1             | 026011       | 1              | 46.1            | 0.055            | 1.40 | 0.500                    | 12.7 | 0.1                       | 0.3  | 0.11       | 0.4   | 178         | 584  | 197  | 194 | 208 | 281  | 350                        | 520   |
| SP-1/0           | 026012       | 1/0            | 56.3            | 0.055            | 1.40 | 0.520                    | 13.2 | 0.1                       | 0.3  | 0.11       | 0.4   | 190         | 623  | 223  | 227 | 243 | 319  | 420                        | 625   |
| SP-2/0           | 026013       | 2/0            | 67.6            | 0.055            | 1.40 | 0.570                    | 14.5 | 0.09                      | 0.3  | 0.10       | 0.3   | 212         | 695  | 250  | 262 | 281 | 354  | 475                        | 705   |
| SP-3/0           | 026014       | 3/0            | 92.1            | 0.055            | 1.40 | 0.670                    | 17.0 | 0.08                      | 0.3  | 0.10       | 0.3   | 245         | 804  | 304  | 300 | 321 | 437  | 680                        | 1,010 |

## 2000V

| Type Designation | Draka Number | Conductor Size |                 | Sheath Thickness |     | Cable Diameter (nominal) |      | Impedance (Phase-Neutral) |      | Inductance |       | Capacitance |      | Calculated Ampacity <sup>†</sup> (measured @ °C) |       |       |       | Cable Weight (approximate) |       |
|------------------|--------------|----------------|-----------------|------------------|-----|--------------------------|------|---------------------------|------|------------|-------|-------------|------|--|-------|-------|-------|----------------------------|-------|
|                  |              | AWG/MCM        | mm <sup>2</sup> | in               | mm  | in                       | mm   | Ω/kft                     | Ω/km | mH/kft     | mH/km | pF/ft       | pF/m | 95   | 100   | 110   | 125*  | Lbs/Mft                    | Kg/Km |
| SP2KV-8          | 030477       | 8              | 7.57            | 0.055            | 1.4 | 0.260                    | 6.6  | 0.695                     | 2.28 | 0.108      | 0.354 | 82          | 269  | 67   | 72    | 77    | 90    | 75                         | 110   |
| SP2KV-6          | 030478       | 6              | 12.5            | 0.055            | 1.4 | 0.320                    | 8.1  | 0.442                     | 1.45 | 0.099      | 0.324 | 108         | 354  | 90   | 96    | 103   | 126   | 115                        | 170   |
| SP2KV-5          | 030479       | 5              | 18.6            | 0.055            | 1.4 | 0.350                    | 8.9  | 0.332                     | 1.09 | 0.097      | 0.318 | 120         | 393  | 111  | 109   | 117   | 153   | 147                        | 220   |
| SP2KV-4          | 030480       | 4              | 21.5            | 0.055            | 1.4 | 0.370                    | 9.4  | 0.277                     | 0.91 | 0.095      | 0.312 | 131         | 430  | 122  | 128   | 137   | 158   | 170                        | 255   |
| SP2KV-3          | 030481       | 3              | 25.6            | 0.055            | 1.4 | 0.420                    | 10.7 | 0.221                     | 0.72 | 0.092      | 0.302 | 148         | 485  | 142  | 146   | 156   | 195   | 205                        | 305   |
| SP2KV-2          | 030482       | 2              | 30.7            | 0.055            | 1.4 | 0.430                    | 10.9 | 0.176                     | 0.58 | 0.090      | 0.295 | 160         | 525  | 162  | 169   | 181   | 217   | 250                        | 370   |
| SP2KV-1          | 030483       | 1              | 46.0            | 0.065            | 1.7 | 0.520                    | 13.2 | 0.141                     | 0.46 | 0.091      | 0.298 | 158         | 518  | 197  | 194   | 208   | 281   | 340                        | 505   |
| SP2KV-1/0        | 029732       | 1/0            | 56.3            | 0.065            | 1.7 | 0.540                    | 13.7 | 0.113                     | 0.37 | 0.089      | 0.292 | 168         | 551  | 223  | 227   | 243   | 319   | 430                        | 640   |
| SP2KV-2/0        | 027055       | 2/0            | 66.5            | 0.065            | 1.7 | 0.590                    | 15.0 | 0.092                     | 0.30 | 0.088      | 0.289 | 184         | 604  | 250  | 262   | 281   | 354   | 520                        | 775   |
| SP2KV-3/0        | 030484       | 3/0            | 92.1            | 0.065            | 1.7 | 0.670                    | 17.0 | 0.075                     | 0.25 | 0.086      | 0.282 | 216         | 708  | 304  | 300   | 321   | 437   | 680                        | 1,010 |
| SP2KV(HD)-4/0    | 026015       | 4/0            | 112.6           | 0.105            | 2.7 | 0.820                    | 20.8 | 0.07                      | 0.2  | 0.11       | 0.4   | 146         | 479  | 344  | 351   | 376   | 495   | 875                        | 1,300 |
| SP2KV(HD)-262    | 026016       | 262            | 133.1           | 0.105            | 2.7 | 0.880                    | 22.4 | 0.06                      | 0.2  | 0.10       | 0.3   | 162         | 531  | 382  | 407   | 436   | 559   | 1,020                      | 1,520 |
| SP2KV(HD)-313    | 026017       | 313            | 158.7           | 0.105            | 2.7 | 0.940                    | 23.9 | 0.06                      | 0.2  | 0.10       | 0.3   | 175         | 574  | 426  | 455   | 487   | 617   | 1,215                      | 1,810 |
| SP2KV(HD)-373    | 026018       | 373            | 189.2           | 0.105            | 2.7 | 0.990                    | 25.1 | 0.05                      | 0.2  | 0.10       | 0.3   | 189         | 620  | 476  | 516   | 553   | 692   | 1,410                      | 2,100 |
| SP2KV(HD)-444    | 026019       | 444            | 225.2           | 0.105            | 2.7 | 1.110                    | 28.2 | 0.05                      | 0.2  | 0.10       | 0.3   | 205         | 672  | 531  | 588   | 630   | 772   | 1,705                      | 2,535 |
| SP2KV(HD)-535    | 026020       | 535            | 271.3           | 0.120            | 3.0 | 1.140                    | 29.0 | 0.04                      | 0.1  | 0.10       | 0.3   | 200         | 656  | 596  | 630   | 675   | 871   | 1,975                      | 2,940 |
| SP2KV(HD)-646    | 026021       | 646            | 327.5           | 0.120            | 3.0 | 1.260                    | 32.0 | 0.04                      | 0.1  | 0.10       | 0.3   | 216         | 708  | 670  | 731   | 783   | 979   | 2,410                      | 3,585 |
| SP2KV(HD)-777    | 026022       | 777            | 394.2           | 0.120            | 3.0 | 1.420                    | 36.1 | 0.04                      | 0.1  | 0.10       | 0.3   | 236         | 774  | 754  | 822   | 881   | 1,101 | 2,890                      | 4,300 |
| SP2KV(HD)-1111   | 026023       | 1111           | 563.0           | 0.120            | 3.0 | 1.610                    | 40.9 | 0.04                      | 0.1  | 0.10       | 0.3   | 257         | 843  | 942  | 1,025 | 1,098 | 1,374 | 3,945                      | 5,870 |

This information is provided for reference only. Please consult the factory or your representative to confirm all engineering information.

This information is not intended to replace the information in the appropriate and applicable standard or code.

†Ampacity based on 45°C ambient temperature; 95°C values based on ABS MODU Rules Table 6 - 100°C values based on IEEE-45 - 110°C values based on API 14F.

\*125°C ampacities based on 45°C ambient in free air. Consult factory for conditions of use.