

RFOU P1/P8 & BFOU P5/P12 Power cable, 0.6/1kV, ZH, mud resistant NEK606 IEC60092-353 ELECTRICAL DATA

| NO OF PAIRS CONDUCTOR AREA SQMM | CONDUCTOR RESISTANCE OHM/KM | | REACTANCE OHM/KM | | CAPACITANCE µFarad/km | INDUCTANCE µHenry/km | MAX CURRENT RATING at 45°C AMPS | SHORT CIRCUIT RATING 1 Sec kA | IMPEDANCE OHM/KM | | | |
|--|--------------------------------|--------|---------------------|--------|--------------------------|-------------------------|--|--|---------------------|--------------|--------------|--------------|
| | 20°C | 90°C | 50Hz | 60Hz | | | | | 20°C 50Hz | 20°C 60Hz | 90°C 50Hz | 90°C 60Hz |
| 1 x 16 | 1.16 | 1.48 | 0.098 | 0.117 | 0.453 | 311 | 93 | 2.33 | 1.16 | 1.17 | 1.48 | 1.49 |
| 1 x 25 | 0.734 | 0.937 | 0.093 | 0.112 | 0.451 | 298 | 120 | 3.65 | 0.739 | 0.742 | 0.942 | 0.944 |
| 1 x 35 | 0.529 | 0.675 | 0.092 | 0.110 | 0.519 | 293 | 145 | 5.11 | 0.537 | 0.540 | 0.681 | 0.684 |
| 1 x 50 | 0.391 | 0.499 | 0.090 | 0.108 | 0.548 | 286 | 180 | 7.30 | 0.401 | 0.406 | 0.507 | 0.511 |
| 1 x 70 | 0.270 | 0.344 | 0.088 | 0.105 | 0.595 | 278 | 232 | 10.20 | 0.284 | 0.290 | 0.355 | 0.360 |
| 1 x 95 | 0.195 | 0.249 | 0.085 | 0.102 | 0.718 | 270 | 285 | 13.90 | 0.213 | 0.220 | 0.263 | 0.269 |
| 1 x 120 | 0.154 | 0.196 | 0.084 | 0.101 | 0.738 | 269 | 332 | 17.50 | 0.175 | 0.184 | 0.213 | 0.220 |
| 1 x 150 | 0.126 | 0.161 | 0.088 | 0.105 | 0.683 | 278 | 385 | 21.90 | 0.154 | 0.164 | 0.183 | 0.192 |
| 1 x 185 | 0.100 | 0.128 | 0.085 | 0.102 | 0.689 | 269 | 445 | 27.00 | 0.131 | 0.143 | 0.154 | 0.164 |
| 1 x 240 | 0.0762 | 0.0972 | 0.083 | 0.099 | 0.719 | 262 | 530 | 35.00 | 0.113 | 0.125 | 0.128 | 0.139 |
| 1 x 300 | 0.0607 | 0.0775 | 0.084 | 0.101 | 0.884 | 269 | 610 | 43.80 | 0.102 | 0.118 | 0.114 | 0.127 |
| 2 x 1.5 | 12.2 | 15.57 | 0.101 | 0.121 | 0.151 | 321 | 23 | 0.21 | 12.2 | 12.2 | 15.57 | 15.57 |
| 2 x 2.5 | 7.56 | 9.65 | 0.094 | 0.113 | 0.182 | 300 | 31 | 0.35 | 7.56 | 7.56 | 9.65 | 9.65 |
| 2 x 4 | 4.70 | 5.99 | 0.089 | 0.107 | 0.205 | 283 | 43 | 0.58 | 4.70 | 4.70 | 5.99 | 5.99 |
| 2 x 6 | 3.11 | 3.97 | 0.084 | 0.101 | 0.231 | 268 | 55 | 0.87 | 3.11 | 3.11 | 3.97 | 3.97 |
| 2 x 10 | 1.84 | 2.35 | 0.081 | 0.097 | 0.254 | 257 | 77 | 1.46 | 1.84 | 1.84 | 2.35 | 2.35 |
| 2 x 16 | 1.16 | 1.48 | 0.077 | 0.092 | 0.285 | 245 | 102 | 2.33 | 1.16 | 1.16 | 1.48 | 1.48 |
| 3 x 1.5 | 12.2 | 15.57 | 0.103 | 0.124 | 0.152 | 329 | 20 | 0.21 | 12.2 | 12.2 | 15.57 | 15.57 |
| 3 x 2.5 | 7.56 | 9.65 | 0.096 | 0.115 | 0.177 | 305 | 29 | 0.35 | 7.56 | 7.56 | 9.65 | 9.65 |
| 3 x 4 | 4.70 | 5.99 | 0.091 | 0.109 | 0.195 | 289 | 37 | 0.58 | 4.70 | 4.70 | 5.99 | 5.99 |
| 3 x 6 | 3.11 | 3.97 | 0.085 | 0.102 | 0.234 | 271 | 48 | 0.87 | 3.11 | 3.11 | 3.97 | 3.97 |
| 3 x 10 | 1.84 | 2.35 | 0.080 | 0.096 | 0.258 | 255 | 65 | 1.46 | 1.84 | 1.84 | 2.35 | 2.35 |
| 3 x 16 | 1.16 | 1.48 | 0.078 | 0.0934 | 0.291 | 248 | 87 | 2.33 | 1.16 | 1.16 | 1.48 | 1.48 |
| 3 x 25 | 0.734 | 0.937 | 0.076 | 0.0914 | 0.304 | 242 | 110 | 3.65 | 0.738 | 0.740 | 0.940 | 0.941 |
| 3 x 35 | 0.529 | 0.675 | 0.073 | 0.0876 | 0.318 | 232 | 136 | 5.11 | 0.534 | 0.536 | 0.679 | 0.680 |
| 3 x 50 | 0.391 | 0.499 | 0.072 | 0.0864 | 0.329 | 229 | 167 | 7.30 | 0.398 | 0.400 | 0.504 | 0.506 |
| 3 x 70 | 0.270 | 0.344 | 0.071 | 0.0852 | 0.341 | 226 | 215 | 10.20 | 0.279 | 0.283 | 0.351 | 0.354 |
| 3 x 95 | 0.195 | 0.249 | 0.070 | 0.0844 | 0.349 | 225 | 258 | 13.90 | 0.207 | 0.212 | 0.259 | 0.263 |
| 3 x 120 | 0.154 | 0.196 | 0.070 | 0.0836 | 0.370 | 222 | 300 | 17.50 | 0.160 | 0.175 | 0.208 | 0.213 |
| 3 x 150 | 0.126 | 0.161 | 0.069 | 0.0831 | 0.390 | 221 | 350 | 21.90 | 0.144 | 0.151 | 0.175 | 0.181 |
| 3 x 185 | 0.100 | 0.128 | 0.069 | 0.0828 | 0.394 | 220 | 395 | 27.00 | 0.121 | 0.130 | 0.145 | 0.153 |
| 3 x 240 | 0.0762 | 0.0972 | 0.068 | 0.0822 | 0.406 | 218 | 467 | 35.00 | 0.102 | 0.112 | 0.119 | 0.127 |
| 4 x 1.5 | 12.2 | 15.57 | 0.110 | 0.132 | 0.132 | 350 | 20 | 0.21 | 12.2 | 12.2 | 15.57 | 15.57 |
| 4 x 2.5 | 7.56 | 9.65 | 0.130 | 0.123 | 0.123 | 325 | 29 | 0.35 | 7.56 | 7.56 | 9.65 | 9.65 |
| 4 x 4 | 4.70 | 5.99 | 0.097 | 0.116 | 0.116 | 308 | 37 | 0.58 | 4.70 | 4.70 | 5.99 | 5.99 |
| 4 x 6 | 3.11 | 3.97 | 0.091 | 0.109 | 0.109 | 289 | 48 | 0.87 | 3.11 | 3.11 | 3.97 | 3.97 |
| 4 x 10 | 1.84 | 2.35 | 0.086 | 0.103 | 0.103 | 273 | 65 | 1.46 | 1.84 | 1.84 | 2.35 | 2.35 |
| 4 x 16 | 1.16 | 1.48 | 0.083 | 0.100 | 0.100 | 265 | 87 | 2.33 | 1.16 | 1.16 | 1.48 | 1.48 |
| 4 x 25 | 0.734 | 0.937 | 0.082 | 0.098 | 0.098 | 259 | 110 | 3.65 | 0.739 | 0.741 | 0.941 | 0.942 |
| 4 x 35 | 0.529 | 0.675 | 0.078 | 0.094 | 0.094 | 248 | 136 | 5.11 | 0.535 | 0.537 | 0.679 | 0.682 |
| 4 x 50 | 0.391 | 0.499 | 0.077 | 0.092 | 0.092 | 245 | 167 | 7.30 | 0.399 | 0.402 | 0.505 | 0.507 |
| 4 x 70 | 0.270 | 0.344 | 0.076 | 0.091 | 0.091 | 242 | 215 | 10.20 | 0.280 | 0.285 | 0.352 | 0.356 |
| 4 x 95 | 0.195 | 0.249 | 0.076 | 0.091 | 0.091 | 241 | 258 | 13.90 | 0.209 | 0.215 | 0.260 | 0.265 |
| 4 x 120 | 0.154 | 0.196 | 0.075 | 0.090 | 0.090 | 238 | 300 | 17.50 | 0.171 | 0.178 | 0.210 | 0.216 |
| 7 x 1.5 | 12.2 | 15.57 | 0.126 | 0.151 | 0.157 | 400 | 11 | 0.21 | 12.2 | 12.2 | 15.57 | 15.57 |
| 12 x 1.5 | 12.2 | 15.57 | 0.145 | 0.174 | 0.102 | 461 | 9 | 0.21 | 12.2 | 12.2 | 15.57 | 15.57 |
| 19 x 1.5 | 12.2 | 15.57 | 0.157 | 0.188 | 0.085 | 499 | 8 | 0.21 | 12.2 | 12.2 | 15.57 | 15.57 |
| 37 x 1.5 | 12.2 | 15.57 | 0.177 | 0.212 | 0.068 | 562 | 6 | 0.21 | 12.2 | 12.2 | 15.57 | 15.57 |
| 7 x 2.5 | 7.56 | 9.65 | 0.120 | 0.144 | 0.172 | 382 | 15 | 0.36 | 7.56 | 7.56 | 9.65 | 9.65 |
| 12 x 2.5 | 7.56 | 9.65 | 0.139 | 0.167 | 0.107 | 443 | 12 | 0.36 | 7.56 | 7.56 | 9.65 | 9.65 |
| 19 x 2.5 | 7.56 | 9.65 | 0.151 | 0.181 | 0.090 | 480 | 11 | 0.36 | 7.56 | 7.56 | 9.65 | 9.65 |
| 27 x 2.5 | 7.56 | 9.65 | 0.159 | 0.195 | 0.084 | 517 | 9 | 0.36 | 7.56 | 7.56 | 9.65 | 9.65 |
| 37 x 2.5 | 7.56 | 9.65 | 0.171 | 0.205 | 0.071 | 543 | 9 | 0.36 | 7.56 | 7.56 | 9.65 | 9.65 |