

産業機器用ゴムキャブタイヤケーブル

2FFCT

600V 2種ひっ素ゴム絶縁ひっ素ゴムシースキャブタイヤケーブル



用途

- 産業機器の給電及び制御用の準固定用配線

特長

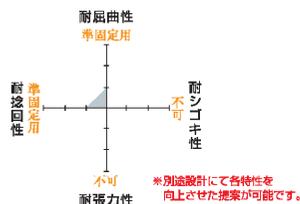
- 産業機器への給電及び制御用ゴムキャブタイヤケーブルで準固定用途に適しております。
- 耐熱温度200℃キャブタイヤケーブル

製品概要

| 適用規格 | 電気用品安全法準拠 | 電気設備技術基準準拠 |
|-------|--|----------------|
| 適用範囲 | 100SQ以下の1心~7心 | 125SQ以上または8心以上 |
| 定格電圧 | 600V | |
| 耐熱温度 | 200℃ | |
| 耐寒温度 | -60℃(固定配線時) | |
| 耐電圧 | 3000V・1分 | |
| 標準識別 | 1心:黒、2心:黒、白 3心:黒、白、青 4心以上:黒、白、青の組合せ | |
| 最小曲半径 | 固定部:4D以上 D:ケーブル外径 | |

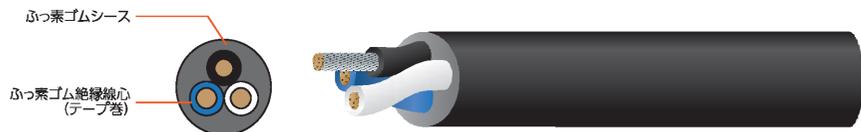
特性

| | |
|-----|---|
| 導体 | すずめっき軟銅線 |
| 絶縁体 | 200℃ ひっ素ゴム |
| シース | 200℃ ひっ素ゴム |
| 注意 | 本品は準固定用途の設計となっており、軽度な屈曲用途には使用可能ですが、産業機器等で繰返し屈曲を受ける用途で使用されると、早期断線の事故が発生する可能性があります。可動用途でご用命の際は、別途設計で対応致します。 |



構成

3心 一層撚り構造



20心 多層撚り構造



構造表

| 心数 | サイズ | 導体構成 | 導体径 | 絶縁径 | ケーブル外径 | 質量 | 導体抵抗 | 許容電流値 | 心数 | サイズ | 導体構成 | 導体径 | 絶縁径 | ケーブル外径 | 質量 | 導体抵抗 | 許容電流値 |
|-----|------|---------|-----|-----|--------|-------|-------|--------|-----|-----|------------|------|------|--------|-------|-------|--------|
| 心 | mm | 本/mm | mm | mm | mm | kg/km | Ω/km | A/200℃ | 心 | mm | 本/mm | mm | mm | mm | kg/km | Ω/km | A/200℃ |
| 1 | | | | | | 5.8 | 55 | 25.8 | 1 | | | | | | 9.2 | 175 | 120 |
| 2 | | | | | | 9.4 | 140 | 25.0 | 2 | | | | | | 16.2 | 490 | 100 |
| 3 | | | | | | 9.9 | 155 | 21.0 | 3 | | | | | | 17.3 | 595 | 86 |
| 4 | | | | | | 10.8 | 190 | 19.0 | 4 | | | | | | 19.1 | 795 | 78 |
| 5 | | | | | | 11.7 | 220 | 17.0 | 5 | 8 | 50/0.18 | 3.7 | 5.8 | | 21.0 | 895 | 72 |
| 6 | | | | | | 12.8 | 260 | 16.0 | 6 | | | | | | 23.0 | 1,060 | 68 |
| 7 | | | | | | 13.9 | 305 | 15.5 | 7 | | | | | | 25.0 | 1,240 | 65 |
| 8 | 0.75 | 30/0.18 | 1.1 | 2.8 | | 14.8 | 345 | 26.3 | 8 | | | | | | 27.1 | 1,440 | 62 |
| 10* | | | | | | 16.7 | 420 | 14.0 | 10* | | | | | | 30.3 | 1,690 | 57 |
| 12* | | | | | | 17.4 | 470 | 13.0 | 1 | | | | | | 10.6 | 255 | 139 |
| 18* | | | | | | 19.2 | 585 | 12.0 | 2 | | | | | | 19.0 | 715 | 145 |
| 20* | | | | | | 21.2 | 715 | 28.3 | 3 | | | | | | 20.1 | 870 | 120 |
| 24* | | | | | | 23.3 | 855 | 10.0 | 4 | | | | | | 22.4 | 1,100 | 105 |
| 30* | | | | | | 24.9 | 965 | 9.0 | 5 | 14 | 88/0.45 | 4.9 | 7.0 | | 24.6 | 1,330 | 100 |
| 1 | | | | | | 8.2 | 65 | 15.5 | 6 | | | | | | 27.0 | 1,590 | 95 |
| 2 | | | | | | 10.4 | 175 | 34.0 | 7 | | | | | | 29.6 | 1,880 | 91 |
| 3 | | | | | | 10.9 | 200 | 28.0 | 8 | | | | | | 32.0 | 2,160 | 1.42 |
| 4 | | | | | | 11.8 | 235 | 26.0 | 10* | | | | | | 35.9 | 2,560 | 1.44 |
| 5 | | | | | | 13.0 | 290 | 24.0 | 1 | | | | | | 13.4 | 395 | 0.892 |
| 6 | | | | | | 14.2 | 335 | 22.0 | 2 | | | | | | 24.8 | 1,180 | 0.95 |
| 7 | | | | | | 15.2 | 390 | 21.0 | 3 | | | | | | 26.5 | 1,430 | 165 |
| 8 | 1.25 | 50/0.18 | 1.5 | 3.2 | | 16.5 | 440 | 15.8 | 4 | 22 | 7/20/0.45 | 7.0 | 9.6 | | 29.5 | 1,800 | 0.919 |
| 10* | | | | | | 18.5 | 535 | 18.0 | 5 | | | | | | 32.7 | 2,210 | 135 |
| 12* | | | | | | 19.2 | 600 | 17.0 | 6 | | | | | | 36.0 | 2,650 | 125 |
| 16* | | | | | | 21.3 | 750 | 15.0 | 7 | | | | | | 39.4 | 3,120 | 120 |
| 20* | | | | | | 23.5 | 920 | 17.0 | 1 | | | | | | 14.7 | 495 | 0.661 |
| 24* | | | | | | 26.0 | 1,120 | 13.0 | 2 | | | | | | 27.4 | 1,480 | 235 |
| 30* | | | | | | 27.9 | 1,270 | 12.0 | 3 | | | | | | 29.3 | 1,810 | 195 |
| 1 | | | | | | 6.5 | 75 | 9.91 | 4 | 30 | 7/27/0.45 | 8.1 | 10.7 | | 32.5 | 2,270 | 0.681 |
| 2 | | | | | | 11.0 | 205 | 44.0 | 5 | | | | | | 36.0 | 2,780 | 160 |
| 3 | | | | | | 11.6 | 235 | 37.0 | 6 | | | | | | 39.7 | 3,340 | 150 |
| 4 | | | | | | 12.7 | 285 | 33.0 | 7 | | | | | | 43.4 | 3,930 | 145 |
| 5 | | | | | | 14.0 | 345 | 31.0 | 1 | | | | | | 15.9 | 595 | 0.525 |
| 6 | | | | | | 15.1 | 400 | 29.0 | 2 | | | | | | 29.6 | 1,760 | 325 |
| 7 | | | | | | 16.4 | 470 | 26.0 | 3 | | | | | | 31.6 | 2,160 | 225 |
| 8 | 2 | 37/0.26 | 1.8 | 3.5 | | 17.9 | 540 | 27.0 | 4 | 38 | 7/34/0.45 | 9.1 | 11.7 | | 35.1 | 2,720 | 0.541 |
| 10* | | | | | | 19.9 | 655 | 24.0 | 5 | | | | | | 38.9 | 3,330 | 185 |
| 12* | | | | | | 20.7 | 740 | 22.0 | 6 | | | | | | 43.1 | 4,030 | 175 |
| 16* | | | | | | 22.9 | 930 | 20.0 | 7 | | | | | | 47.1 | 4,730 | 165 |
| 20* | | | | | | 25.3 | 1,140 | 18.0 | 1 | | | | | | 18.0 | 760 | 0.411 |
| 24* | | | | | | 28.0 | 1,380 | 17.0 | 2 | | | | | | 33.8 | 2,270 | 315 |
| 30* | | | | | | 30.0 | 1,590 | 16.0 | 3 | | | | | | 36.3 | 2,810 | 265 |
| 1 | | | | | | 7.4 | 105 | 5.38 | 4 | 50 | 19/16/0.45 | 10.4 | 13.6 | | 40.3 | 3,530 | 235 |
| 2 | | | | | | 12.6 | 280 | 63.0 | 5 | | | | | | 44.9 | 4,350 | 215 |
| 3 | | | | | | 13.3 | 330 | 53.0 | 1 | | | | | | 19.4 | 910 | 0.329 |
| 4 | | | | | | 14.6 | 405 | 48.0 | 2 | 60 | 18/20/0.45 | 11.6 | 14.8 | | 36.6 | 2,710 | 365 |
| 5 | | | | | | 16.1 | 490 | 44.0 | 3 | | | | | | 39.3 | 3,370 | 305 |
| 6 | | | | | | 17.6 | 580 | 42.0 | 4 | | | | | | 43.6 | 4,230 | 270 |
| 7 | | | | | | 19.1 | 680 | 40.0 | 1 | | | | | | 22.7 | 1,240 | 0.243 |
| 8 | 3.5 | 45/0.32 | 2.5 | 4.2 | | 20.7 | 785 | 38.0 | 2 | 80 | 19/27/0.45 | 13.5 | 17.7 | | 43.2 | 3,760 | 435 |
| 10* | | | | | | 23.1 | 930 | 35.0 | 3 | | | | | | 46.4 | 4,660 | 0.250 |
| 12* | | | | | | 24.0 | 1,060 | 32.0 | 4 | | | | | | 51.6 | 5,880 | 325 |
| 16* | | | | | | 28.6 | 1,340 | 29.0 | 1 | | | | | | 24.6 | 1,490 | 0.193 |
| 20* | | | | | | 29.6 | 1,660 | 27.0 | 2 | 100 | 19/34/0.45 | 15.2 | 19.4 | | 47.0 | 4,500 | 0.199 |
| 24* | | | | | | 32.9 | 2,020 | 25.0 | 3 | | | | | | 50.4 | 5,590 | 420 |
| 30* | | | | | | 35.1 | 2,310 | 23.0 | 1 | | | | | | 26.4 | 1,770 | 0.156 |
| 1 | | | | | | 8.4 | 140 | 3.46 | 2 | 125 | 19/42/0.45 | 18.8 | 21.0 | | 50.6 | 5,320 | 0.161 |
| 2 | | | | | | 14.8 | 395 | 83.0 | 1 | 150 | 27/34/0.45 | 18.7 | 22.9 | | 28.5 | 2,020 | 0.136 |
| 3 | | | | | | 15.9 | 475 | 70.0 | 2 | 200 | 37/34/0.45 | 21.2 | 26.4 | | 32.6 | 2,730 | 0.0993 |
| 4 | | | | | | 17.4 | 585 | 63.0 | 1 | 250 | 37/42/0.45 | 23.6 | 28.8 | | 35.2 | 3,260 | 0.0803 |
| 5 | | | | | | 19.2 | 710 | 58.0 | 1 | 325 | 37/45/0.45 | 27.0 | 32.2 | | 39.0 | 4,130 | 0.0614 |
| 6 | | | | | | 21.0 | 845 | 55.0 | | | | | | | | | |
| 7 | | | | | | 22.8 | 990 | 52.0 | | | | | | | | | |
| 8 | | | | | | 24.7 | 1,140 | 51.0 | | | | | | | | | |
| 10* | | | | | | 27.7 | 1,370 | 46.0 | | | | | | | | | |
| 12* | | | | | | 28.5 | 1,530 | 43.0 | | | | | | | | | |
| 16* | | | | | | 31.9 | 1,970 | 38.0 | | | | | | | | | |
| 20* | | | | | | 35.5 | 2,450 | 35.0 | | | | | | | | | |
| 24* | | | | | | 39.5 | 2,990 | 33.0 | | | | | | | | | |
| 30* | | | | | | 42.3 | 3,430 | 31.0 | | | | | | | | | |

*印は多層撚り構造
 1) 耐熱許容電流値は「JCSO169-1」により計算した値であり、保証値ではありません。
 布設条件: 空中敷設一糸布設、周囲温度 30℃
 (周囲温度の電流補正係数は P.134 を参照してください)