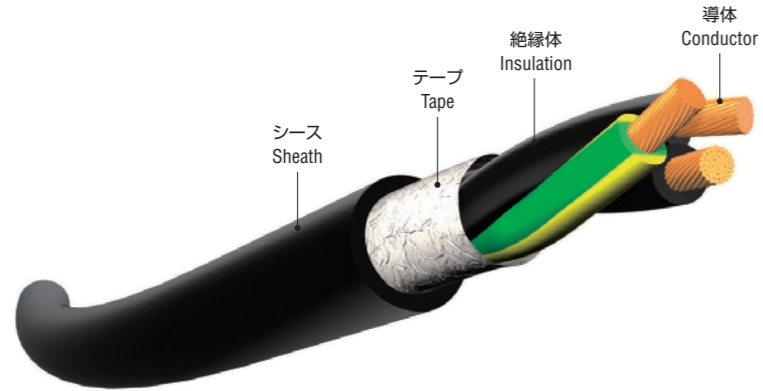


RO-FLEX 8000T

Electrical Power and Control Tray Cable with optical Fiber Member, Machine Tool wire and High Voltage Cables. Especially Purpose For NFPA79 & NFPA70.

北米市場/North American Market



シース色：黒/ライトグレー(特注品)
Sheath color : Black / Light grey (Customize)

例/Reference RO-FLEX 8000T 1.5mm²×3C

| ケーブル特性 Characteristics of cable | 耐熱性 | 耐寒性 | 耐油性 | 難燃性 | 耐屈曲性 | 耐ノイズ性 | 配線 | RoHS指令 | アウトガス対応 |
|---------------------------------------|-----------------|-----------------|----------------|-----------------|---------|------------------|---------------------|------------------|---------|
| | Heat resistance | Cold resistance | Oil resistance | Flame retardant | Flexing | Noise resistance | Wiring | RoHS Directive | Outgas |
| | +105°C | -15°C | A | A | B | D | 電源線、機器内配線 及び外部連絡 | 適合 Conformity | C |

※ケーブル特性については、巻末の技術データを参照して下さい。Refer to technical data.

用途 Application

1. 機器外部配線
2. 電源線
ケーブルトレイ配線用

1. External wiring
2. Power line
for tray cable

特長 Characteristics

CE, IEC, NFPA, UL, c-UL, PSEに適合しており1つのケーブルで国内及び多国の輸出に使用できます。又、設計の簡素化と在庫の低減につながり従来よりも効率の良い設計管理と在庫管理に最適です。このケーブルは「低電圧指令」2014/35/EUに適合しています。又、「RoHS指令」2011/65/EUに適合しています。

RO-FLEX 8000T series enable to simplify the design and efficient storage for the reduction of costs due to CE, IEC, NFPA, UL, c-UL and PSE approvals. The product is in conformity to Directive 2014/35/EU("Low voltage directive"). "Conformity to RoHS directive 2011/65/EU"

■認証 APPROVAL

| 項目 | Item | CE | (UL) | UL | c-UL | PSE | |
|-----------------------|---|---|--------------------|-----------------------------|---------|--------------------------------|------------|
| 認証 Approval | 認証番号 Certificate number | R50010540:1.0mm ² J50209441:1.5~35mm ² | E209359 | E207230 | E194236 | E194236 | |
| | 適用規格 Standard | HD21:1.0mm ² IEC60502-1:1.5~35mm ² | UL1063 | UL1277 | UL758 | CSA C22.2 No.127 | |
| | ケーブルデザイン Cable designation | A05V2V5-F:1.0mm ² A1V2V5-F:1.5~35mm ² | MTW | TC-ER | 2516 | TEW | |
| 特性 Characteristics | 公称電圧 Rated voltage | 300/500V:1.0mm ² 600/1000V:1.5~35mm ² | 600V | 600V | 600V | 300/500V | |
| | 耐電圧 Test voltage | 3500V/5分 | | | | | |
| | 絶縁抵抗 Insulation resistance | 100MΩ·km (at 20°C) | | | | | |
| | 使用温度 Temperature range | -15°C~90°C | 90°Cdry 60°Cwet | 90°Cdry 75°Cwet | 105°C | 105°C | -15°C~90°C |
| | 曲げ半径 Minimum bending for radius | 6D D=ケーブル外径/Overall diameter | | | | | |
| 構造 Construction | 難燃性 Flame retardant | IEC 60332-3 EN 50265-2-1 (IEC 60332-1) | VW-1 | VW-1 for CT use (UL1685) | VW-1 | FT1 EN 50265-2-1 (IEC 60332-1) | |
| | 導体 Conductor | IEC 60228 Class 5 | ASTM B-3 | | | IEC 60228 Class 5 | |
| | 絶縁/識別 Insulation/Core identification | 耐熱PVC/黒/ナンバリング白+緑/黄 Heat resistant PVC/Black core with white numbering + G/Y | | | | | |
| | シース/シース色 Sheath/Sheath color | 耐油・耐熱PVC/黒 Oil and Heat resistant PVC/Black | | | | | |

認証
Approval

注釈: 認証マークはサイズによって異なります。
Note : Approval is depending on products.

RoHS指令 (2011/65/EU)適合 Conformity of RoHS directive (2011/65/EU)

| 化学物質 Chemical substances | 含有率 ppm Content ppm |
|------------------------------|------------------------|
| 鉛 Lead | <1000 |
| 水銀 Mercury | <1000 |
| カドミウム Cadmium | <100 |
| 六価クロム Hexavalent Chromium | <1000 |
| PBB | <1000 |
| PBDE | <1000 |

ケーブル構造 CABLE CONSTRUCTION

| 商品番号 Part number | 導体断面積 Nominal cross sectional area mm ² | 導体構成/(外径) Conductor composition/ (diameter) mm | 絶縁外径 Diameter of insulation mm | 芯数 No. of cores 芯 | 仕上外径 Approx.Overall diameter mm | 概算質量 Approx.mass kg/km | 導体抵抗 Conductor resistance Ω/km | 許容電流 (IEC60364-5-52) Current Carrying Capacities(AI30°C) A |
|---------------------|--|---|--------------------------------------|-------------------------|---------------------------------------|------------------------------|--------------------------------------|---|
| 8000 0010002 | 1.0mm ² /18AWG | 37/0.18 (1.2mm) | 2.9 | 2c | 8.3 | 86 | 19.5 | 18.0 |
| 8000 0010003 | | | | 3c | 8.8 | 101 | | 18.0 |
| 8000 0010004 | | | | 4c | 9.5 | 123 | | 14.4 |
| 8000 0010005 | | | | 5c | 10.3 | 148 | | 14.4 |
| 8000 0010006 | | | | 6c | 11.2 | 175 | | 14.4 |
| 8000 0010007 | | | | 7c | 12.2 | 205 | | 12.6 |
| 8000 0010010 | | | | 10c | 14.9 | 268 | | 9.0 |
| 8000 0010012 | | | | 12c | 15.4 | 304 | | 9.0 |
| 8000 0010015 | | | | 15c | 16.9 | 370 | | 9.0 |
| 8000 0010020 | | | | 20c | 18.8 | 481 | | 9.0 |
| 8000 0010030 | 30c | 23.0 | 695 | 9.0 | | | | |
| 8000 0015002 | 1.5mm ² /16AWG | 56/0.18 (1.5mm) | 3.2 | 2c | 8.9 | 104 | 13.3 | 24 |
| 8000 0015003 | | | | 3c | 9.4 | 124 | | 24 |
| 8000 0015004 | | | | 4c | 10.4 | 157 | | 19 |
| 8000 0015005 | | | | 5c | 11.3 | 189 | | 19 |
| 8000 0015006 | | | | 6c | 12.3 | 224 | | 19 |
| 8000 0015007 | | | | 7c | 13.6 | 269 | | 17 |
| 8000 0015010 | | | | 10c | 16.1 | 335 | | 12 |
| 8000 0015012 | | | | 12c | 16.6 | 383 | | 12 |
| 8000 0015015 | | | | 15c | 18.3 | 468 | | 12 |
| 8000 0015020 | | | | 20c | 20.4 | 612 | | 12 |
| 8000 0015030 | 30c | 24.9 | 884 | 12 | | | | |
| 8000 0025002 | 2.5mm ² /14AWG | 93/0.18 (1.9mm) | 3.6 | 2c | 9.9 | 142 | 7.98 | 30 |
| 8000 0025003 | | | | 3c | 10.5 | 170 | | 30 |
| 8000 0025004 | | | | 4c | 11.4 | 211 | | 24 |
| 8000 0025005 | | | | 5c | 12.4 | 252 | | 24 |
| 8000 0025006 | | | | 6c | 14.1 | 318 | | 24 |
| 8000 0025007 | | | | 7c | 15.4 | 373 | | 21 |
| 8000 0025010 | | | | 10c | 17.7 | 453 | | 15 |
| 8000 0025012 | | | | 12c | 18.3 | 521 | | 15 |
| 8000 0025015 | | | | 15c | 20.2 | 642 | | 15 |
| 8000 0025020 | | | | 20c | 23.5 | 891 | | 15 |
| 8000 0025030 | 30c | 27.5 | 1221 | 15 | | | | |
| 8000 0040002 | 4.0mm ² /12AWG | 7/20/0.18 (2.6mm) | 4.6 | 2c | 11.9 | 205 | 4.95 | 35 |
| 8000 0040003 | | | | 3c | 12.8 | 252 | | 35 |
| 8000 0040004 | | | | 4c | 14.4 | 325 | | 28 |
| 8000 0040005 | | | | 5c | 15.7 | 390 | | 28 |
| 8000 0060002 | | | | 2c | 13.5 | 283 | | 50 |
| 8000 0060003 | 6.0mm ² /10AWG | 7/32/0.18 (3.1mm) | 5.3 | 3c | 14.7 | 358 | 3.3 | 50 |
| 8000 0060004 | | | | 4c | 16.1 | 448 | | 40 |
| 8000 0060005 | | | | 5c | 17.6 | 540 | | 40 |
| 8000 0100002 | 10mm ² /8AWG | 7/53/0.18 (3.9mm) | 6.5 | 2c | 16.3 | 432 | 1.91 | 70 |
| 8000 0100003 | | | | 3c | 17.3 | 534 | | 70 |
| 8000 0100004 | | | | 4c | 19.0 | 715 | | 56 |
| 8000 0160002 | | | | 2c | 19.5 | 641 | | 95 |
| 8000 0160003 | 16mm ² /6AWG | 7/40/0.26 (4.9mm) | 8.1 | 3c | 20.8 | 799 | 1.21 | 95 |
| 8000 0160004 | | | | 4c | 23.9 | 1063 | | 76 |
| 8000 0250002 | 25mm ² /4AWG | 19/49/0.18 (6.8mm) | 10.0 | 2c | 24.3 | 988 | 0.78 | 125 |
| 8000 0250003 | | | | 3c | 25.9 | 1230 | | 125 |
| 8000 0250004 | 35mm ² /2AWG | 19/33/0.26 (7.7mm) | 11.1 | 4c | 28.5 | 1557 | 0.5335 | 100 |
| 8000 0350002 | | | | 2c | 26.5 | 1262 | | 170 |
| 8000 0350003 | | | | 3c | 28.3 | 1593 | | 170 |
| 8000 0350004 | | | | 4c | 31.2 | 2028 | | 136 |

●販売条長：153m Standard length : 153m (500Ft)

※本カタログの許容電流値はエアフリー・周囲温度30°Cでの値です。周囲温度によって、下記の補正係数を乗じてください。
※The current carrying capacities of this catalog is a value at the ambient temperature 30°C in the air.

■温度減少係数 Temperature Correction Factor

| 温度(°C) Ambient temperature | 21~25 | 26~30 | 31~35 | 36~40 | 41~45 | 46~50 | 51~55 | 56~60 | 61~70 |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 係数 Correction factor | 1.05 | 1.00 | 0.94 | 0.88 | 0.82 | 0.75 | 0.67 | 0.58 | 0.33 |

●北米で使用する際の許容電流については、HP上の「許容電流資料」をご参照ください。 Please refer to our Homepage for the current carrying capacities in North America.