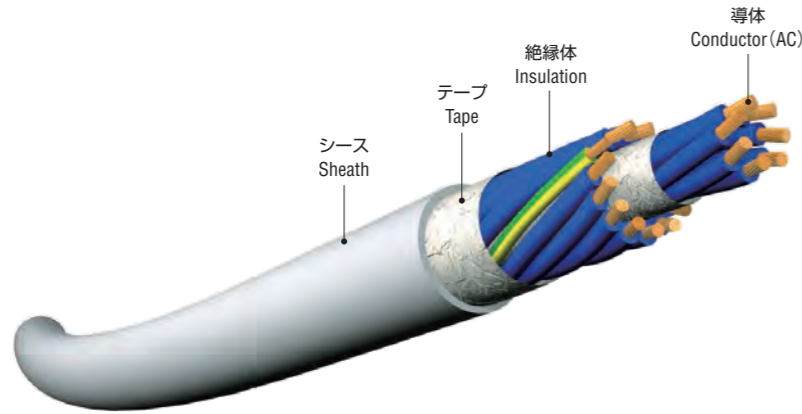


RO-FLEX 22775F(DC) DC制御回路用: 青/白ナンバリング1~+G/Y Robot Cable. Oil resistant PVC cable with two or more conductors. For D.C. control circuit : Blue/white numbering 1~+G/Y

RO-FLEX 22775F(AC) AC制御回路用: 赤/白ナンバリング1~+G/Y Robot Cable. Oil resistant PVC cable with two or more conductors. For A.C. control circuit : Red/white numbering 1~+G/Y



シース色 : ライトグレー
Sheath color : Light grey

例/Reference RO-FLEX 22775F 0.75mm²×20c

| ケーブル特性 Characteristics of cable | 耐熱性 Heat resistance | 耐寒性 Cold resistance | 耐油性 Oil resistance | 難燃性 Flame retardant | 耐屈曲性 Flexing | 耐ノイズ性 Noise resistance | 配線 Wiring | RoHS指令 10物質 RoHS Directive 10 substances | アウトガス対応 Outgas |
|---------------------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------|---------------------------|--------------|---|-------------------|
| | | +105°C | 0°C | A | B | A | D | 青:DC制御回路 赤:AC制御回路 Blue:DC(Control) Red:AC(Control) | 適合 Conformity |

※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. 可動部
2. 電源線

1. Constant movement
2. Power line

特長 Characteristics

NBR, CCC, EAC, IEC, CE, 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 22775F(DC/AC) series enable to simplify the design and efficient storage for the reduction of costs due to NBR, CCC, EAC, IEC, CE, 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 | | IEC | CCC | EAC | CE | NBR | UL | c-UL | PSE | |
|---|--|---|---------------|-------------------------------|-------------|---|----------|-------------------------------|----------------------|----------|
| 認証 Approval | 認証番号 Certificate number | CN 4034 | A 025981 | RU C-JP.A R 46. B.17404/20 | R 50010540 | TÜV | E 194236 | E 194236 | JD 60154183 | |
| | 適用規格 Standard | IEC 60227 | GB/T 5023 | ГОСТ 24334-80 | EN 50525 | NBR 7289 | UL 758 | CSA C22.2 No.210 | 電気用品安全法 Denan law | |
| | ケーブルデザイン Cable designation | 60227 IEC 75 | RVVY | --- | A05V2V5-F | --- | 2570 | AWM I/II Group A/B | (PS)E | |
| 特性 Characteristics | 公称電圧(対地間/線間) Rated voltage | 300/500V | | 1000V | 300/500V | 300/500V/0.5~1.0mm ² 600/1000V/1.5mm ² | | 600V | 600V | 300/500V |
| | 耐電圧 Test voltage | 2500V/5分 | | | | | | | | |
| | 絶縁抵抗 Insulation resistance | 200MΩ·km (at 20°C) | | | | | | | | |
| | 使用温度 Temperature range | 70°C | 100°C | 0~90°C | 70°C | 80°C | 105°C | 70°C | | |
| 構造 Construction | 曲げ半径 Minimum bending for radius | 6D D=ケーブル外径/Overall diameter | | | | | | | | |
| | 難燃性 Flame retardant | EN 50265-2-1 (IEC 60332-1) | Fire Approval | EN 50265-2-1 (IEC 60332-1) | IEC 60332-3 | VW-1 | FT1 | EN 50265-2-1 (IEC 60332-1) | | |
| | 導体 Conductor | IEC 60228 Class 6 | | IEC 60228 Class 5 | | ASTM B 3 | | IEC 60228 Class 6 | | |
| 絶縁/識別 Insulation/ Core identification | DCタイプ DC Type | 耐熱PVC/青/白ナンバリング白 + 緑/黄 2cはアース線(緑/黄)無しです。 Heat resistant PVC/Blue core with white numbering + G/Y The cable of 2c are excluding Green/Yellow. | | | | | | | | |
| | ACタイプ AC Type | 耐熱PVC/赤/白ナンバリング白 + 緑/黄 2cはアース線(緑/黄)無しです。 Heat resistant PVC/Red core with white numbering + G/Y The cable of 2c are excluding Green/Yellow. | | | | | | | | |
| シース/シース色 Sheath/Sheath color | 耐油・耐熱PVC/ライトグレー(N7) Oil and Heat resistant PVC/Light grey(Mansel number:N7) | | | | | | | | | |

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 (IEC 60384-5-52) Current Carrying Capacities(At30°C) A |
|---------------------|---|--|---|-------------------------|--|------------------------------|---|---|
| 0575 0005002 | 0.5mm ² /21AWG | 90/0.08 (1.0mm) | 2.2 | 2c | 6.1 | 38 | 39 | 6.4 |
| 0575 0005003 | | | | 3c | 6.5 | 48 | | 5.6 |
| 0575 0005004 | | | | 4c | 7.0 | 59 | | 5.2 |
| 0575 0005005 | | | | 5c | 7.8 | 74 | | 4.8 |
| 0575 0005006 | | | | 6c | 8.5 | 87 | | 4.4 |
| 0575 0005007 | | | | 7c | 9.5 | 105 | | 4.4 |
| 0575 0005008 | | | | 8c | 10.4 | 124 | | 4.0 |
| 0575 0005010 | | | | 10c | 11.1 | 139 | | 4.0 |
| 0575 0005012 | | | | 12c | 11.5 | 158 | | 3.6 |
| 0575 0005016 | | | | 16c | 12.8 | 205 | | 3.2 |
| 0575 0005018 | | | | 18c | 13.7 | 233 | | 3.2 |
| 0575 0005020 | | | | 20c | 14.4 | 256 | | 3.2 |
| 0575 0007502 | 0.75mm ² /18AWG | 167/0.08 (1.3mm) | 2.5 | 2c | 6.7 | 50 | 21.8 | 8.8 |
| 0575 0007503 | | | | 3c | 7.1 | 64 | | 7.7 |
| 0575 0007504 | | | | 4c | 8.0 | 84 | | 7.2 |
| 0575 0007505 | | | | 5c | 8.9 | 105 | | 6.6 |
| 0575 0007506 | | | | 6c | 9.6 | 122 | | 6.1 |
| 0575 0007507 | | | | 7c | 10.7 | 147 | | 6.1 |
| 0575 0007508 | | | | 8c | 11.5 | 166 | | 5.5 |
| 0575 0007510 | | | | 10c | 12.5 | 196 | | 5.5 |
| 0575 0007512 | | | | 12c | 12.9 | 223 | | 5.0 |
| 0575 0007516 | | | | 16c | 14.7 | 298 | | 4.4 |
| 0575 0007518 | | | | 18c | 15.4 | 329 | | 4.4 |
| 0575 0007520 | | | | 20c | 16.4 | 370 | | 4.4 |
| 0575 0010002 | 1.0mm ² /18AWG | 7/27/0.08 (1.4mm) | 2.6 | 2c | 6.9 | 53 | 19.5 | 18.0 |
| 0575 0010003 | | | | 3c | 7.5 | 72 | | 18.0 |
| 0575 0010004 | | | | 4c | 8.2 | 90 | | 14.4 |
| 0575 0010005 | | | | 5c | 9.1 | 112 | | 14.4 |
| 0575 0010006 | | | | 6c | 9.9 | 132 | | 14.4 |
| 0575 0010007 | | | | 7c | 11.0 | 158 | | 12.6 |
| 0575 0010008 | | | | 8c | 12.0 | 185 | | 12.6 |
| 0575 0010010 | | | | 10c | 12.9 | 211 | | 9.0 |
| 0575 0010012 | | | | 12c | 13.5 | 247 | | 9.0 |
| 0575 0010016 | | | | 16c | 15.1 | 321 | | 9.0 |
| 0575 0010018 | | | | 18c | 15.9 | 356 | | 9.0 |
| 0575 0010020 | | | | 20c | 17.0 | 401 | | 9.0 |
| 0575 0015002 | 1.5mm ² /16AWG | 7/41/0.08 (1.7mm) | 3.3 | 2c | 8.5 | 79 | 13.3 | 24 |
| 0575 0015003 | | | | 3c | 9.2 | 107 | | 24 |
| 0575 0015004 | | | | 4c | 10.1 | 135 | | 19 |
| 0575 0015005 | | | | 5c | 11.2 | 168 | | 19 |
| 0575 0015006 | | | | 6c | 12.4 | 204 | | 19 |
| 0575 0015007 | | | | 7c | 13.8 | 244 | | 17 |
| 0575 0015008 | | | | 8c | 15.0 | 284 | | 17 |
| 0575 0015010 | | | | 10c | 16.3 | 332 | | 12 |
| 0575 0015012 | | | | 12c | 16.8 | 379 | | 12 |
| 0575 0015016 | | | | 16c | 18.8 | 492 | | 12 |
| 0575 0015018 | | | | 18c | 20.0 | 556 | | 12 |
| 0575 0015020 | | | | 20c | 21.3 | 623 | | 12 |

●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(°C) Ambient temperature | 10 | 11~15 | 16~20 | 21~25 | 26~30 | 31~35 | 36~40 | 41~45 | 46~50 | 51~55 | 56~60 | |
|---|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 【0.5mm ² ~0.75mm ² 】 温度減少係数 Temperature Correction Factor | 係数 Correction factor | 1.22 | 1.17 | 1.12 | 1.06 | 1.00 | 0.94 | 0.87 | 0.79 | 0.71 | 0.61 | 0.50 |
| 温度(°C) Ambient temperature | 21~25 | 26~30 | 31~35 | 36~40 | 41~45 | 46~50 | 51~55 | 56~60 | 61~70 | | | |
| 【1.0mm ² ~1.5mm ² 】 温度減少係数 Temperature Correction Factor | 係数 Correction factor | 1.05 | 1.00 | 0.94 | 0.88 | 0.82 | 0.75 | 0.67 | 0.58 | 0.33 | | |