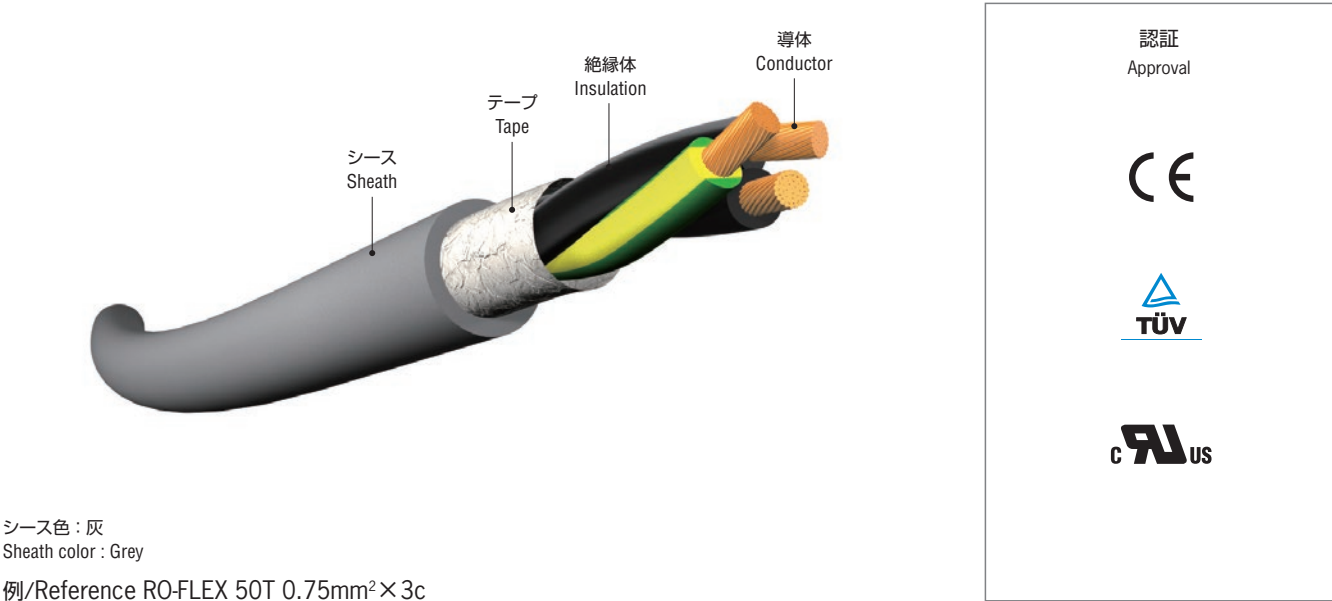


RO-FLEX 50T
PVC control cable.

WORLD WIDE STANDARD CABLE.
Millennium-Edition-Series



シース色：灰
Sheath color：Grey
例/Reference RO-FLEX 50T 0.75mm²×3c

Table with 10 columns: ケーブル特性, 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. It lists various cable characteristics and their compliance levels.

※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. 電源線
2. 信号線
3. 電子機器内配線

特 長 Characteristics
CE, UL, c-UL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 50T series enable to simplify the design and efficient storage for the reduction of costs due to CE, UL and c-UL approvals. The product is in conformity to Directive 2014/35/EU("Low voltage directive"). "Conformity to RoHS directive 2011/65/EU"

Table with 4 columns: 項目 Item, CE, UL, c-UL. It details approval standards, characteristics like rated voltage and temperature range, and construction details like conductor and insulation.

Table with 2 columns: 化学物質 Chemical substances, 含有率 ppm Content ppm. It lists RoHS directive compliance for substances like Lead, Mercury, Cadmium, Hexavalent Chromium, PBB, and PBDE.

Table with 9 columns: 商品番号 Part number, 導体断面積 Nominal cross sectional area, 導体構成/外径 Conductor composition/ diameter, 絶縁外径 Diameter of insulation, 芯数 No. of cores, 仕上外径 Approx. overall diameter, 概算質量 Approx. mass, 導体抵抗 Conductor resistance, 許容電流 Current carrying capacities. It provides detailed specifications for various cable models.

●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℃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℃ in the air.

■温度減少係数 Temperature Correction Factor
Table with 2 columns: 温度(℃) Ambient temperature, 係数 Correction factor. It shows correction factors for different ambient temperatures.

RO-FLEX 70T

海外でのみ販売  
Oversea market only.

Fixed cable. PVC cable with two or more conductors.

WORLD WIDE STANDARD CABLE.

Millennium-Edition

-Series

シース  
Sheath

テープ  
Tape

絶縁体  
Insulation

導体  
Conductor



例／Reference RO-FLEX 70T 1.5mm<sup>2</sup>×3c

シース色：灰  
Sheath color：Grey

認証  
Approval

CE

D

cUL<sup>®</sup>US

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.

|                                       |                        |                        |                       |                        |                 |                           |                 |                          |                   |
|---------------------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------|---------------------------|-----------------|--------------------------|-------------------|
| ケーブル特性<br>Characteristics<br>of cable | 耐熱性<br>Heat resistance | 耐寒性<br>Cold resistance | 耐油性<br>Oil resistance | 難燃性<br>Flame retardant | 耐屈曲性<br>Flexing | 耐ノイズ性<br>Noise resistance | 配線<br>Wiring    | RoHS指令<br>RoHS Directive | アウトガス対応<br>Outgas |
|                                       | +70℃                   | −15℃                   | C                     | C                      | C               | D                         | 機器内配線<br>及び外部連絡 | 適合<br>Conformity         | D                 |

※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

工業用電気機器、電気機械の電源線、信号線、又電子機器内配線として幅広く利用されています。

It is widely used as the power line, signal line, internal wiring and external wiring of electric equipment, components and the industrial machinery.

特 長CHARACTERISTICS

CE, UL, c-UL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』73/23/EECに適合しています。又、鉛及び臭素系難燃剤PBB PBDEを使用していません。『RoHS指令』2002/95/ECに適應しています。

RO-FLEX 70T series are enable to simplify the design and efficient storage for the reduction of costs due to CE, UL and c-UL approvals. The product is in conformity to EEC directive 73/23("Low voltage directive")  
Insulation/sheath material free from "Lead, PBB, PBDE" Compliance with 2002/95/EC ("RoHS Directive")

| 項目 Item               |                                         | CE                                                                                               | UL       | c-UL               |
|-----------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------|----------|--------------------|
| 認証<br>Approval        | 認証番号<br>Certificate number              | 98-04657                                                                                         | E194236  | E194236            |
|                       | 適用規格<br>Standard                        | HD21                                                                                             | UL758    | CSA C22.2 No.210.2 |
|                       | ケーブルデザイン<br>Cable designation           | A05VV5-F                                                                                         | 20201    | AWM I／II Group A／B |
| 特性<br>Characteristics | 公称電圧<br>Rated voltage                   | 300／500V                                                                                         | 600V     | 600V               |
|                       | 耐電圧<br>Test voltage                     | 2500V／5分                                                                                         |          |                    |
|                       | 絶縁抵抗<br>Insulation resistance           | 200MΩ・km (at20℃)                                                                                 |          |                    |
|                       | 使用温度<br>Temperature range               | －15℃～70℃                                                                                         | 60℃      | 60℃                |
|                       | 曲げ半径<br>Minimum bending for radius      | 6D D=ケーブル外径／Overall diameter                                                                     |          |                    |
|                       | 難燃性<br>Flame retardant                  | EN 50265-2-1 (IEC 60332-1)                                                                       | VW-1     | FT1                |
| 構造<br>Construction    | 導体<br>Conductor                         | IEC 60228 Class 5                                                                                | ASTM B-3 |                    |
|                       | 絶縁／識別<br>Insulation/Core identification | 耐熱PVC／識別：黒／ナンバリング白＋黄／緑<br>Heat resistant PVC／Identification：Black core with white numbering +Y／G |          |                    |
|                       | シース／シース色<br>Sheath/Sheath color         | 耐油・耐熱PVC／灰<br>Oil and Heat resistant PVC／Grey                                                    |          |                    |

RoHS指令  
(2002/95/EC) 適合  
Conformity of RoHS directive(2002/95/EC)

UL RSCS Program  
(File No:RS1009) による分析  
Analysis value by RSCS (File No:RS1009)

|                              |                        |
|------------------------------|------------------------|
| 化学物質<br>Chemical substances  | 含有率 ppm<br>Content ppm |
| 鉛<br>Lead                    | <100                   |
| 水銀<br>Mercury                | <20                    |
| カドミウム<br>Cadmium             | <20                    |
| 六価クロム<br>Hexavalent Chromium | <20                    |
| PBB                          | <60                    |
| PBDE                         | <60                    |

分析値はRSCSオンラインデータベースにて公開  
The analysis value by UL RSCS Program has been available in the public web-site with RSCS Online data base.

| ケーブル構造 CABLE CONSTRUCTION |                                                          |                                                         |                                      |                         |                                       |                              |                                      |                                                                     |
|---------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------|-------------------------|---------------------------------------|------------------------------|--------------------------------------|---------------------------------------------------------------------|
| 商品番号<br>Part number       | 導体断面積<br>Nominal cross sectional area<br>mm <sup>2</sup> | 導体構成／(外径)<br>Conductor composition/<br>(diameter)<br>mm | 絶縁外径<br>Diameter of insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor resistance<br>Ω/km | 許容電流<br>(IEC60364-5-523)<br>Current Carrying Capacities(At30℃)<br>A |
| 0070 0005002              | 0.5mm <sup>2</sup> /AWG21                                | 19/0.18<br>(0.9mm)                                      | 1.7                                  | 2c                      | 5.1                                   | 34                           | 39                                   | 6.4                                                                 |
| 0070 0005003              |                                                          |                                                         |                                      | 3c                      | 5.4                                   | 41                           |                                      | 5.6                                                                 |
| 0070 0005004              |                                                          |                                                         |                                      | 4c                      | 5.8                                   | 49                           |                                      | 5.2                                                                 |
| 0070 0005005              |                                                          |                                                         |                                      | 5c                      | 6.3                                   | 59                           |                                      | 4.8                                                                 |
| 0070 0005006              |                                                          |                                                         |                                      | 6c                      | 6.8                                   | 69                           |                                      | 4.4                                                                 |
| 0070 0005007              |                                                          |                                                         |                                      | 7c                      | 7.6                                   | 83                           |                                      | 4.4                                                                 |
| 0070 0005008              |                                                          |                                                         |                                      | 8c                      | 8.1                                   | 95                           |                                      | 4.0                                                                 |
| 0070 0005010              |                                                          |                                                         |                                      | 10c                     | 8.9                                   | 106                          |                                      | 4.0                                                                 |
| 0070 0005012              |                                                          |                                                         |                                      | 12c                     | 9.2                                   | 121                          |                                      | 3.6                                                                 |
| 0070 0005016              |                                                          |                                                         |                                      | 16c                     | 10.1                                  | 154                          |                                      | 3.2                                                                 |
| 0070 0005018              |                                                          |                                                         |                                      | 18c                     | 10.8                                  | 176                          |                                      | 3.2                                                                 |
| 0070 0005020              |                                                          |                                                         |                                      | 20c                     | 11.4                                  | 195                          |                                      | 3.2                                                                 |
| 0070 0005025              |                                                          |                                                         |                                      | 25c                     | 12.8                                  | 234                          |                                      | 2.4                                                                 |
| 0070 0005030              |                                                          |                                                         |                                      | 30c                     | 13.7                                  | 278                          |                                      | 2.4                                                                 |
| 0070 0007502              | 0.75mm <sup>2</sup> /AWG19                               | 28/0.18<br>(1.0mm)                                      | 1.8                                  | 2c                      | 5.3                                   | 40                           | 26                                   | 8.0                                                                 |
| 0070 0007503              |                                                          |                                                         |                                      | 3c                      | 5.6                                   | 49                           |                                      | 7.0                                                                 |
| 0070 0007504              |                                                          |                                                         |                                      | 4c                      | 6.1                                   | 60                           |                                      | 6.5                                                                 |
| 0070 0007505              |                                                          |                                                         |                                      | 5c                      | 6.6                                   | 72                           |                                      | 6.0                                                                 |
| 0070 0007506              |                                                          |                                                         |                                      | 6c                      | 7.1                                   | 85                           |                                      | 5.5                                                                 |
| 0070 0007507              |                                                          |                                                         |                                      | 7c                      | 7.9                                   | 102                          |                                      | 5.5                                                                 |
| 0070 0007508              |                                                          |                                                         |                                      | 8c                      | 8.5                                   | 116                          |                                      | 5.0                                                                 |
| 0070 0007510              |                                                          |                                                         |                                      | 10c                     | 9.3                                   | 132                          |                                      | 5.0                                                                 |
| 0070 0007512              |                                                          |                                                         |                                      | 12c                     | 9.6                                   | 151                          |                                      | 4.5                                                                 |
| 0070 0007516              |                                                          |                                                         |                                      | 16c                     | 10.8                                  | 199                          |                                      | 4.0                                                                 |
| 0070 0007518              |                                                          |                                                         |                                      | 18c                     | 11.3                                  | 221                          |                                      | 4.0                                                                 |
| 0070 0007520              |                                                          |                                                         |                                      | 20c                     | 12.1                                  | 250                          |                                      | 4.0                                                                 |
| 0070 0007525              |                                                          |                                                         |                                      | 25c                     | 13.6                                  | 301                          |                                      | 3.0                                                                 |
| 0070 0007530              |                                                          |                                                         |                                      | 30c                     | 14.3                                  | 351                          |                                      | 3.0                                                                 |
| 0070 0010002              | 1.0mm <sup>2</sup> /AWG18                                | 37/0.18<br>(1.2mm)                                      | 2.0                                  | 2c                      | 5.7                                   | 48                           | 19.5                                 | 12.0                                                                |
| 0070 0010003              |                                                          |                                                         |                                      | 3c                      | 6.0                                   | 59                           |                                      | 12.0                                                                |
| 0070 0010004              |                                                          |                                                         |                                      | 4c                      | 6.5                                   | 73                           |                                      | 9.6                                                                 |
| 0070 0010005              |                                                          |                                                         |                                      | 5c                      | 7.1                                   | 88                           |                                      | 9.6                                                                 |
| 0070 0010006              |                                                          |                                                         |                                      | 6c                      | 7.9                                   | 107                          |                                      | 9.6                                                                 |
| 0070 0010007              |                                                          |                                                         |                                      | 7c                      | 8.6                                   | 124                          |                                      | 8.4                                                                 |
| 0070 0010008              |                                                          |                                                         |                                      | 8c                      | 9.4                                   | 146                          |                                      | 8.4                                                                 |
| 0070 0010010              |                                                          |                                                         |                                      | 10c                     | 10.1                                  | 161                          |                                      | 6.0                                                                 |
| 0070 0010012              |                                                          |                                                         |                                      | 12c                     | 10.6                                  | 190                          |                                      | 6.0                                                                 |
| 0070 0010016              |                                                          |                                                         |                                      | 16c                     | 11.9                                  | 249                          |                                      | 6.0                                                                 |
| 0070 0010018              |                                                          |                                                         |                                      | 18c                     | 12.5                                  | 278                          |                                      | 6.0                                                                 |
| 0070 0010020              |                                                          |                                                         |                                      | 20c                     | 13.4                                  | 313                          |                                      | 6.0                                                                 |
| 0070 0010025              |                                                          |                                                         |                                      | 25c                     | 15.0                                  | 378                          |                                      | 6.0                                                                 |
| 0070 0010030              |                                                          |                                                         |                                      | 30c                     | 15.8                                  | 441                          |                                      | 6.0                                                                 |
| 0070 0015002              | 1.5mm <sup>2</sup> /AWG16                                | 56/0.18<br>(1.5mm)                                      | 2.5                                  | 2c                      | 6.7                                   | 68                           | 13.3                                 | 16.0                                                                |
| 0070 0015003              |                                                          |                                                         |                                      | 3c                      | 7.1                                   | 84                           |                                      | 16.0                                                                |
| 0070 0015004              |                                                          |                                                         |                                      | 4c                      | 8.0                                   | 109                          |                                      | 12.8                                                                |
| 0070 0015005              |                                                          |                                                         |                                      | 5c                      | 8.9                                   | 135                          |                                      | 12.8                                                                |
| 0070 0015006              |                                                          |                                                         |                                      | 6c                      | 9.6                                   | 159                          |                                      | 12.8                                                                |
| 0070 0015007              |                                                          |                                                         |                                      | 7c                      | 10.7                                  | 190                          |                                      | 11.2                                                                |
| 0070 0015008              |                                                          |                                                         |                                      | 8c                      | 11.5                                  | 217                          |                                      | 11.2                                                                |
| 0070 0015010              |                                                          |                                                         |                                      | 10c                     | 12.5                                  | 244                          |                                      | 8.0                                                                 |
| 0070 0015012              |                                                          |                                                         |                                      | 12c                     | 12.9                                  | 282                          |                                      | 8.0                                                                 |
| 0070 0015016              |                                                          |                                                         |                                      | 16c                     | 14.7                                  | 376                          |                                      | 8.0                                                                 |
| 0070 0015018              |                                                          |                                                         |                                      | 18c                     | 15.4                                  | 419                          |                                      | 8.0                                                                 |
| 0070 0015020              |                                                          |                                                         |                                      | 20c                     | 16.4                                  | 471                          |                                      | 8.0                                                                 |
| 0070 0015025              |                                                          |                                                         |                                      | 25c                     | 18.4                                  | 567                          |                                      | 8.0                                                                 |
| 0070 0015030              |                                                          |                                                         |                                      | 30c                     | 19.6                                  | 672                          |                                      | 8.0                                                                 |
| 0070 0025002              | 2.5mm <sup>2</sup> /AWG14                                | 93/0.18<br>(1.9mm)                                      | 2.9                                  | 2c                      | 7.7                                   | 98                           | 7.98                                 | 22.0                                                                |
| 0070 0025003              |                                                          |                                                         |                                      | 3c                      | 8.2                                   | 123                          |                                      | 22.0                                                                |
| 0070 0025004              |                                                          |                                                         |                                      | 4c                      | 9.1                                   | 158                          |                                      | 17.6                                                                |
| 0070 0025005              |                                                          |                                                         |                                      | 5c                      | 9.9                                   | 192                          |                                      | 17.6                                                                |
| 0070 0025006              |                                                          |                                                         |                                      | 6c                      | 11.0                                  | 233                          |                                      | 17.6                                                                |
| 0070 0025007              |                                                          |                                                         |                                      | 7c                      | 12.2                                  | 276                          |                                      | 15.4                                                                |
| 0070 0025008              |                                                          |                                                         |                                      | 8c                      | 13.3                                  | 322                          |                                      | 15.4                                                                |
| 0070 0025010              |                                                          |                                                         |                                      | 10c                     | 14.3                                  | 359                          |                                      | 11.0                                                                |
| 0070 0025012              |                                                          |                                                         |                                      | 12c                     | 15.0                                  | 422                          |                                      | 11.0                                                                |
| 0070 0025016              |                                                          |                                                         |                                      | 16c                     | 16.7                                  | 553                          |                                      | 11.0                                                                |
| 0070 0025018              |                                                          |                                                         |                                      | 18c                     | 17.8                                  | 626                          |                                      | 11.0                                                                |
| 0070 0025020              |                                                          |                                                         |                                      | 20c                     | 18.8                                  | 694                          |                                      | 11.0                                                                |
| 0070 0025025              |                                                          |                                                         |                                      | 25c                     | 12.2                                  | 846                          |                                      | 11.0                                                                |
| 0070 0025030              |                                                          |                                                         |                                      | 30c                     | 22.6                                  | 1003                         |                                      | 11.0                                                                |

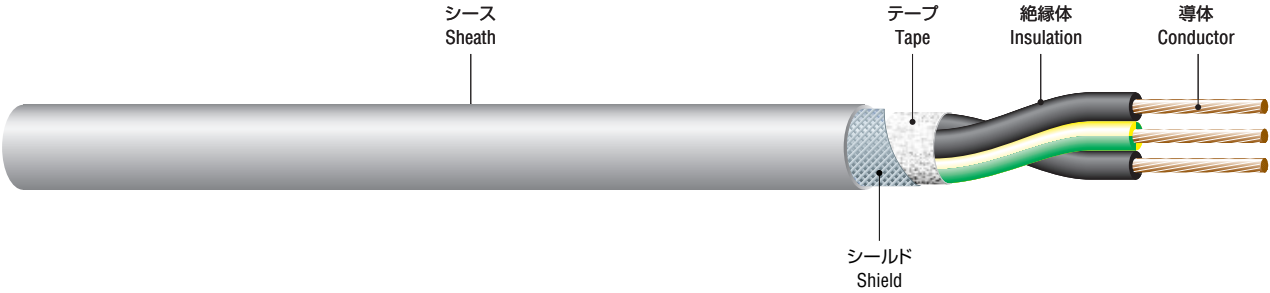
●販売条長：153m Standard length：153m (500Ft)  
※RO-FLEX 70Tは海外販売のみとなります。  
※RO-FLEX 70T is only available in oversea market.

RO-FLEX 70TS

海外でのみ販売  
Oversea market only.

Fixed cable. Screened wires. PVC cable with two or more conductors.

WORLD WIDE STANDARD CABLE.  
Millennium-Edition  
-Series



例／Reference RO-FLEX 70TS 0.5mm<sup>2</sup>×3c

シース色：灰  
Sheath color：Grey

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.

|                                       |                        |                        |                       |                        |                 |                           |                 |                          |                   |
|---------------------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------|---------------------------|-----------------|--------------------------|-------------------|
| ケーブル特性<br>Characteristics<br>of cable | 耐熱性<br>Heat resistance | 耐寒性<br>Cold resistance | 耐油性<br>Oil resistance | 難燃性<br>Flame retardant | 耐屈曲性<br>Flexing | 耐ノイズ性<br>Noise resistance | 配線<br>Wiring    | RoHS指令<br>RoHS Directive | アウトガス対応<br>Outgas |
|                                       | +70℃                   | −15℃                   | C                     | C                      | B               | B                         | 機器内配線<br>及び外部連絡 | 適合<br>Conformity         | D                 |

※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                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 工業用電気機器、電気機械の電源線、信号線又電子機器内部配線と外部連絡として幅広く利用されています。又、線芯色が黒の為AC及びDCの動力回路の使用に適しています。耐ノイズ性がありますのでEMC対策に有効です。シールドは低伝達インピーダンス（250mΩ/m以下:30MHz）です。                                      | It is widely used as the power line, signal line, internal wiring and external wiring of electric equipment, components and the industrial machinery. Black core identification is suitable for AC and DC power supply due to EN(IEC). It makes safety provisions of EMC (Electro Magnetic compatibility) due to noise resistance transfer impedance (shield) (250mΩ/m at 30MHz) |
| 特 長                                                                                                                                                                             | CHARACTERISTICS                                                                                                                                                                                                                                                                                                                                                                  |
| CE, UL, c-UL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」73/23/EECに適合しています。又、鉛及び臭素系難燃剤PBB PBDEを使用していません。「RoHS指令」2002/95/ECに適合しています。 | RO-FLEX 70TS series are able to simplify the design and efficient storage for the reduction of costs due to CE, UL and c-UL approvals. The product is in conformity to EEC directive 73/23("Low voltage directive")<br>Insulation/sheath material free from "Lead, PBB, PBDE" Compliance with 2002/95/EC ("RoHS Directive")                                                      |

■認証 APPROVAL

| 項目 Item               |                                         | CE                                                                                                 | UL       | c-UL               |
|-----------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------|----------|--------------------|
| 認証<br>Approval        | 認証番号<br>Certificate number              | 98-04657                                                                                           | E194236  | E194236            |
|                       | 適応規格<br>Standard                        | HD21                                                                                               | UL758    | CSA C22.2 No.210.2 |
|                       | ケーブルデザイン<br>Cable designation           | A05VV5-F                                                                                           | 20201    | AWM I/II Group A/B |
| 特性<br>Characteristics | 公称電圧<br>Rated voltage                   | 300/500V                                                                                           | 600V     | 600V               |
|                       | 耐電圧<br>Test voltage                     | 2500V/5分                                                                                           |          |                    |
|                       | 絶縁抵抗<br>Insulation resistance           | 200MΩ・km (at20℃)                                                                                   |          |                    |
|                       | 使用温度<br>Temperature range               | -15℃~70℃                                                                                           | 60℃      | 60℃                |
|                       | 曲げ半径<br>Minimum bending for radius      | 6D D=ケーブル外径/Overall diameter                                                                       |          |                    |
|                       | 難燃性<br>Flame retardant                  | EN 50265-2-1 (IEC 60332-1)                                                                         | VW-1     | FT1                |
|                       | 導体<br>Conductor                         | IEC 60228 Class 5                                                                                  | ASTM B-3 |                    |
| 構造<br>Construction    | 絶縁/識別<br>Insulation/Core identification | 耐熱PVC/識別: 黒/ナンバリング白+黄/緑<br>Heat resistant PVC/Identification: Black core with white numbering +Y/G |          |                    |
|                       | シールド<br>Shield                          | 編組シールド 0.12TAC<br>Braid shield 0.12TAC                                                             |          |                    |
|                       | シース/シース色<br>Sheath/Sheath color         | 耐油・耐熱PVC/灰<br>Oil and Heat resistant PVC/Grey                                                      |          |                    |

RoHS指令  
(2002/95/EC) 適合  
Conformity of RoHS directive(2002/95/EC)

UL RSCS Program  
(File No:RS1009) による分析  
Analysis value by RSCS (File No:RS1009)

|                              |                        |
|------------------------------|------------------------|
| 化学物質<br>Chemical substances  | 含有率 ppm<br>Content ppm |
| 鉛<br>Lead                    | <100                   |
| 水銀<br>Mercury                | <20                    |
| カドミウム<br>Cadmium             | <20                    |
| 六価クロム<br>Hexavalent Chromium | <20                    |
| PBB                          | <60                    |
| PBDE                         | <60                    |

分析値はRSCSオンライン  
データベースにて公開  
The analysis value by UL RSCS  
Program has been available in the public  
web-site with RSCS Online data base.

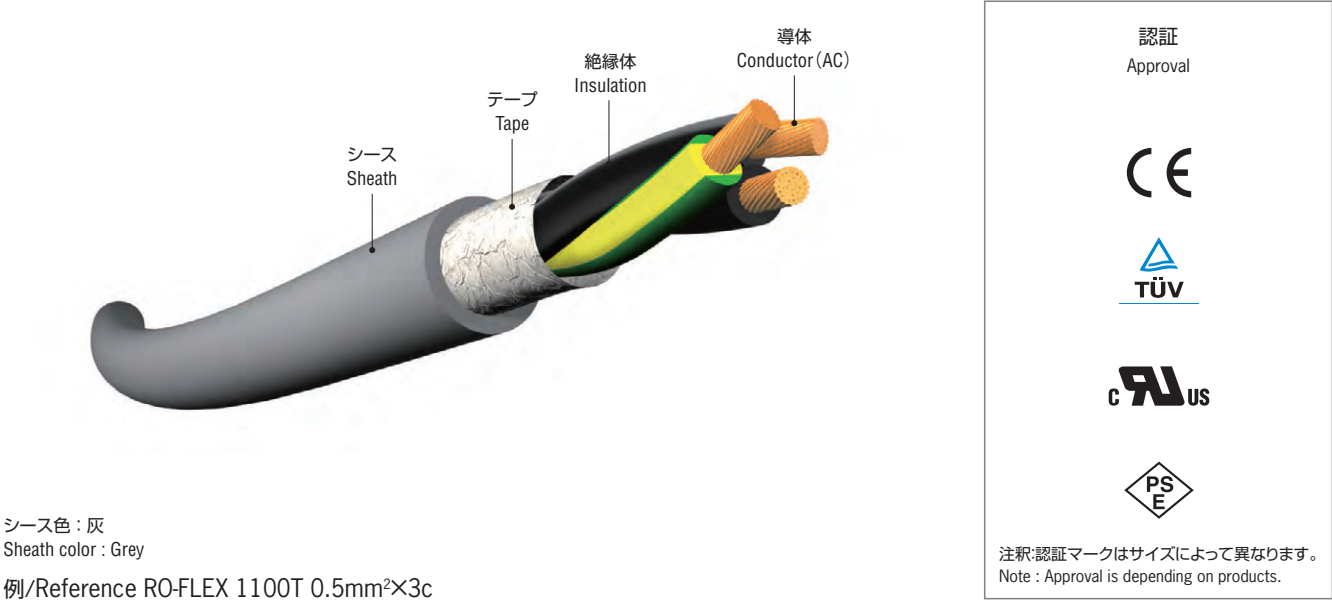
| ケーブル構造 CABLE CONSTRUCTION |                                                             |                                                            |                                         |                         |                                          |                              |                                         |                                                                        |
|---------------------------|-------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|------------------------------------------|------------------------------|-----------------------------------------|------------------------------------------------------------------------|
| 商品番号<br>Part number       | 導体断面積<br>Nominal cross<br>sectional area<br>mm <sup>2</sup> | 導体構成/〈外径〉<br>Conductor<br>composition/<br>〈diameter〉<br>mm | 絶縁外径<br>Diameter of<br>insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall<br>diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor<br>resistance<br>Ω/km | 許容電流<br>(IEC60364-5-523)<br>Current Carrying<br>Capacities(At30℃)<br>A |
| 0070 1005002              | 0.5mm <sup>2</sup> /AWG21                                   | 19/0.18<br>〈0.9mm〉                                         | 1.7                                     | 2c                      | 5.6                                      | 53                           | 39                                      | 6.4                                                                    |
| 0070 1005003              |                                                             |                                                            |                                         | 3c                      | 5.9                                      | 63                           |                                         | 5.6                                                                    |
| 0070 1005004              |                                                             |                                                            |                                         | 4c                      | 6.3                                      | 75                           |                                         | 5.2                                                                    |
| 0070 1005005              |                                                             |                                                            |                                         | 5c                      | 6.8                                      | 88                           |                                         | 4.8                                                                    |
| 0070 1005006              |                                                             |                                                            |                                         | 6c                      | 7.5                                      | 105                          |                                         | 4.4                                                                    |
| 0070 1005007              |                                                             |                                                            |                                         | 7c                      | 8.1                                      | 121                          |                                         | 4.4                                                                    |
| 0070 1005008              |                                                             |                                                            |                                         | 8c                      | 8.6                                      | 136                          |                                         | 4.0                                                                    |
| 0070 1005010              |                                                             |                                                            |                                         | 10c                     | 9.4                                      | 154                          |                                         | 4.0                                                                    |
| 0070 1005012              |                                                             |                                                            |                                         | 12c                     | 9.7                                      | 174                          |                                         | 3.6                                                                    |
| 0070 1005016              |                                                             |                                                            |                                         | 16c                     | 10.8                                     | 223                          |                                         | 3.2                                                                    |
| 0070 1005018              |                                                             |                                                            |                                         | 18c                     | 11.3                                     | 247                          |                                         | 3.2                                                                    |
| 0070 1005020              |                                                             |                                                            |                                         | 20c                     | 12.1                                     | 276                          |                                         | 3.2                                                                    |
| 0070 1005025              |                                                             |                                                            |                                         | 25c                     | 13.5                                     | 332                          |                                         | 2.4                                                                    |
| 0070 1005030              |                                                             |                                                            |                                         | 30c                     | 14.2                                     | 383                          |                                         | 2.4                                                                    |
| 0070 1007502              | 0.75mm <sup>2</sup> /AWG19                                  | 28/0.18<br>〈1.0mm〉                                         | 1.8                                     | 2c                      | 5.8                                      | 56                           | 26                                      | 8.0                                                                    |
| 0070 1007503              |                                                             |                                                            |                                         | 3c                      | 6.1                                      | 65                           |                                         | 7.0                                                                    |
| 0070 1007504              |                                                             |                                                            |                                         | 4c                      | 6.6                                      | 78                           |                                         | 6.5                                                                    |
| 0070 1007505              |                                                             |                                                            |                                         | 5c                      | 7.1                                      | 93                           |                                         | 6.0                                                                    |
| 0070 1007506              |                                                             |                                                            |                                         | 6c                      | 7.8                                      | 109                          |                                         | 5.5                                                                    |
| 0070 1007507              |                                                             |                                                            |                                         | 7c                      | 8.4                                      | 126                          |                                         | 5.5                                                                    |
| 0070 1007508              |                                                             |                                                            |                                         | 8c                      | 9.2                                      | 145                          |                                         | 5.0                                                                    |
| 0070 1007510              |                                                             |                                                            |                                         | 10c                     | 9.8                                      | 160                          |                                         | 5.0                                                                    |
| 0070 1007512              |                                                             |                                                            |                                         | 12c                     | 10.1                                     | 180                          |                                         | 4.5                                                                    |
| 0070 1007516              |                                                             |                                                            |                                         | 16c                     | 11.3                                     | 231                          |                                         | 4.0                                                                    |
| 0070 1007518              |                                                             |                                                            |                                         | 18c                     | 12.0                                     | 260                          |                                         | 4.0                                                                    |
| 0070 1007520              |                                                             |                                                            |                                         | 20c                     | 12.6                                     | 286                          |                                         | 4.0                                                                    |
| 0070 1007525              |                                                             |                                                            |                                         | 25c                     | 14.1                                     | 342                          |                                         | 3.0                                                                    |
| 0070 1007530              |                                                             |                                                            |                                         | 30c                     | 15.0                                     | 401                          |                                         | 3.0                                                                    |
| 0070 1010002              | 1.0mm <sup>2</sup> /AWG18                                   | 37/0.18<br>〈1.2mm〉                                         | 2.0                                     | 2c                      | 6.2                                      | 66                           | 19.5                                    | 12.0                                                                   |
| 0070 1010003              |                                                             |                                                            |                                         | 3c                      | 6.5                                      | 77                           |                                         | 12.0                                                                   |
| 0070 1010004              |                                                             |                                                            |                                         | 4c                      | 7.0                                      | 93                           |                                         | 9.6                                                                    |
| 0070 1010005              |                                                             |                                                            |                                         | 5c                      | 7.8                                      | 112                          |                                         | 9.6                                                                    |
| 0070 1010006              |                                                             |                                                            |                                         | 6c                      | 8.4                                      | 131                          |                                         | 9.6                                                                    |
| 0070 1010007              |                                                             |                                                            |                                         | 7c                      | 9.3                                      | 154                          |                                         | 8.4                                                                    |
| 0070 1010008              |                                                             |                                                            |                                         | 8c                      | 9.9                                      | 174                          |                                         | 8.4                                                                    |
| 0070 1010010              |                                                             |                                                            |                                         | 10c                     | 10.8                                     | 196                          |                                         | 6.0                                                                    |
| 0070 1010012              |                                                             |                                                            |                                         | 12c                     | 11.1                                     | 222                          |                                         | 6.0                                                                    |
| 0070 1010016              |                                                             |                                                            |                                         | 16c                     | 12.4                                     | 285                          |                                         | 6.0                                                                    |
| 0070 1010018              |                                                             |                                                            |                                         | 18c                     | 13.0                                     | 316                          |                                         | 6.0                                                                    |
| 0070 1010020              |                                                             |                                                            |                                         | 20c                     | 13.9                                     | 354                          |                                         | 6.0                                                                    |
| 0070 1010025              |                                                             |                                                            |                                         | 25c                     | 15.5                                     | 423                          |                                         | 6.0                                                                    |
| 0070 1010030              |                                                             |                                                            |                                         | 30c                     | 16.5                                     | 496                          |                                         | 6.0                                                                    |
| 0070 1015002              | 1.5mm <sup>2</sup> /AWG16                                   | 56/0.18<br>〈1.5mm〉                                         | 2.5                                     | 2c                      | 7.2                                      | 89                           | 13.3                                    | 16.0                                                                   |
| 0070 1015003              |                                                             |                                                            |                                         | 3c                      | 7.8                                      | 109                          |                                         | 16.0                                                                   |
| 0070 1015004              |                                                             |                                                            |                                         | 4c                      | 8.5                                      | 133                          |                                         | 12.8                                                                   |
| 0070 1015005              |                                                             |                                                            |                                         | 5c                      | 9.4                                      | 161                          |                                         | 12.8                                                                   |
| 0070 1015006              |                                                             |                                                            |                                         | 6c                      | 10.1                                     | 188                          |                                         | 12.8                                                                   |
| 0070 1015007              |                                                             |                                                            |                                         | 7c                      | 11.2                                     | 222                          |                                         | 11.2                                                                   |
| 0070 1015008              |                                                             |                                                            |                                         | 8c                      | 12.2                                     | 258                          |                                         | 11.2                                                                   |
| 0070 1015010              |                                                             |                                                            |                                         | 10c                     | 13.0                                     | 282                          |                                         | 8.0                                                                    |
| 0070 1015012              |                                                             |                                                            |                                         | 12c                     | 13.6                                     | 327                          |                                         | 8.0                                                                    |
| 0070 1015016              |                                                             |                                                            |                                         | 16c                     | 15.2                                     | 420                          |                                         | 8.0                                                                    |
| 0070 1015018              |                                                             |                                                            |                                         | 18c                     | 15.9                                     | 466                          |                                         | 8.0                                                                    |
| 0070 1015020              |                                                             |                                                            |                                         | 20c                     | 16.9                                     | 521                          |                                         | 8.0                                                                    |
| 0070 1015025              |                                                             |                                                            |                                         | 25c                     | 19.1                                     | 631                          |                                         | 8.0                                                                    |
| 0070 1015030              |                                                             |                                                            |                                         | 30c                     | 20.1                                     | 732                          |                                         | 8.0                                                                    |
| 0070 1025002              | 2.5mm <sup>2</sup> /AWG14                                   | 93/0.18<br>〈1.9mm〉                                         | 2.9                                     | 2c                      | 8.2                                      | 121                          | 7.98                                    | 22.0                                                                   |
| 0070 1025003              |                                                             |                                                            |                                         | 3c                      | 8.9                                      | 152                          |                                         | 22.0                                                                   |
| 0070 1025004              |                                                             |                                                            |                                         | 4c                      | 9.6                                      | 186                          |                                         | 17.6                                                                   |
| 0070 1025005              |                                                             |                                                            |                                         | 5c                      | 10.6                                     | 226                          |                                         | 17.6                                                                   |
| 0070 1025006              |                                                             |                                                            |                                         | 6c                      | 11.5                                     | 266                          |                                         | 17.6                                                                   |
| 0070 1025007              |                                                             |                                                            |                                         | 7c                      | 12.7                                     | 313                          |                                         | 15.4                                                                   |
| 0070 1025008              |                                                             |                                                            |                                         | 8c                      | 13.8                                     | 361                          |                                         | 15.4                                                                   |
| 0070 1025010              |                                                             |                                                            |                                         | 10c                     | 15.0                                     | 408                          |                                         | 11.0                                                                   |
| 0070 1025012              |                                                             |                                                            |                                         | 12c                     | 15.5                                     | 468                          |                                         | 11.0                                                                   |
| 0070 1025016              |                                                             |                                                            |                                         | 16c                     | 17.2                                     | 604                          |                                         | 11.0                                                                   |
| 0070 1025018              |                                                             |                                                            |                                         | 18c                     | 18.3                                     | 680                          |                                         | 11.0                                                                   |
| 0070 1025020              |                                                             |                                                            |                                         | 20c                     | 19.5                                     | 759                          |                                         | 11.0                                                                   |
| 0070 1025025              |                                                             |                                                            |                                         | 25c                     | 21.7                                     | 911                          |                                         | 11.0                                                                   |
| 0070 1025030              |                                                             |                                                            |                                         | 30c                     | 23.1                                     | 1073                         |                                         | 11.0                                                                   |

●販売条長：153m Standard length：153m (500Ft)  
※RO-FLEX 70TSは海外販売のみとなります。  
※RO-FLEX 70TS is only available in oversea market.

# RO-FLEX 1100T

For Fixed installation. Oil resistant PVC cable with two or more conductors.

WORLD WIDE STANDARD CABLE  
Recognition-Series



シース色 : 灰  
Sheath color : Grey

例/Reference RO-FLEX 1100T 0.5mm<sup>2</sup>×3c

| ケーブル特性<br>Characteristics<br>of cable | 耐熱性<br>Heat resistance | 耐寒性<br>Cold resistance | 耐油性<br>Oil resistance | 難燃性<br>Flame retardant | 耐屈曲性<br>Flexing | 耐ノイズ性<br>Noise resistance | 配線<br>Wiring                          | RoHS指令<br>10物質<br>RoHS Directive<br>10 substances | アウトガス対応<br>Outgas |
|---------------------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------|---------------------------|---------------------------------------|---------------------------------------------------|-------------------|
|                                       | +105℃                  | -15℃                   | A                     | B                      | B               | D                         | 機器内配線<br>及び外部連絡<br>Internal, External | 適合<br>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. 固定部  
2. 電源線

1. Fixed installation  
2. Power line

### 特 長 Characteristics

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 1100T series enable to simplify the design and efficient storage for the reduction of costs due to 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               |                                         | CE                                                                              | UL                                                        | c-UL                                                      | PSE <sup>※</sup>           |
|-----------------------|-----------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------|
| 認証<br>Approval        | 認証番号<br>Certificate number              | R 50010540<br>J 50010525                                                        | E 194236                                                  | E 194236                                                  | JD 60090188<br>JD 60090189 |
|                       | 適用規格<br>Standard                        | HD 21<br>EN 50525                                                               | UL 758                                                    | CSA C22.2 No.210                                          | 電気用品安全法                    |
|                       | ケーブルデザイン<br>Cable designation           | A05V2V5-F                                                                       | 2464:0.5～1.0mm <sup>2</sup><br>2586:1.5～35mm <sup>2</sup> | AWM I/II Group A/B                                        | 〈PS〉E                      |
| 特性<br>Characteristics | 公称電圧(対地間/線間)<br>Rated voltage           | 300/500V                                                                        | 300V:0.5～1.0mm <sup>2</sup><br>600V:1.5～35mm <sup>2</sup> | 300V:0.5～1.0mm <sup>2</sup><br>600V:1.5～35mm <sup>2</sup> | 300/500V                   |
|                       | 耐電圧<br>Test voltage                     | 2500V/5分                                                                        |                                                           |                                                           |                            |
|                       | 絶縁抵抗<br>Insulation resistance           | 100MQ・km (at 20℃)                                                               |                                                           |                                                           |                            |
|                       | 使用温度<br>Temperature range               | －15℃～90℃                                                                        | 80℃:0.5～1.0mm <sup>2</sup><br>105℃:1.5～35mm <sup>2</sup>  | 105℃                                                      | －15℃～90℃                   |
|                       | 曲げ半径<br>Minimum bending for radius      | 6D D＝ケーブル外径/Overall diameter                                                    |                                                           |                                                           |                            |
|                       | 難燃性<br>Flame retardant                  | EN 50265-2-1 (IEC 60332-1)                                                      | VW-1                                                      | FT1                                                       | EN 50265-2-1 (IEC 60332-1) |
| 構造<br>Construction    | 導体<br>Conductor                         | IEC 60228 Class 5                                                               | ASTM B-3                                                  |                                                           | IEC 60228 Class 5          |
|                       | 絶縁/識別<br>Insulation/Core identification | 耐熱PVC/黒/ナンバリング白+黄/緑<br>Heat resistant PVC/Black core with white numbering + Y/G |                                                           |                                                           |                            |
|                       | シース/シース色<br>Sheath/Sheath color         | 耐油・耐熱PVC/灰<br>Oil and Heat resistant PVC/Grey                                   |                                                           |                                                           |                            |

※電気用品安全法は0.75mm<sup>2</sup>以上にのみ適用されています。  
※Denan law is applicable to 0.75mm<sup>2</sup> and more

### ケーブル構造 CABLE CONSTRUCTION

| 商品番号<br>Part number | 導体断面積<br>Nominal cross<br>sectional area<br>mm <sup>2</sup> | 導体構成/外径<br>Conductor<br>composition/<br>(diameter)<br>mm | 絶縁外径<br>Diameter of<br>insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall<br>diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor<br>resistance<br>Ω/km | 許容電流<br>(IEC 60364-5-52)<br>Current Carrying<br>Capacities(At30℃)<br>A |
|---------------------|-------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------|------------------------------------------|------------------------------|-----------------------------------------|------------------------------------------------------------------------|
| 1100 0005002        | 0.5mm <sup>2</sup> /21AWG                                   | 19/0.18<br>(0.9mm)                                       | 2.1                                     | 2c                      | 6.1                                      | 47                           | 39                                      | 6.4                                                                    |
| 1100 0005003        |                                                             |                                                          |                                         | 3c                      | 6.4                                      | 54                           |                                         | 5.6                                                                    |
| 1100 0005004        |                                                             |                                                          |                                         | 4c                      | 7.0                                      | 66                           |                                         | 5.2                                                                    |
| 1100 0005005        |                                                             |                                                          |                                         | 5c                      | 7.8                                      | 83                           |                                         | 4.8                                                                    |
| 1100 0005006        |                                                             |                                                          |                                         | 6c                      | 8.4                                      | 97                           |                                         | 4.4                                                                    |
| 1100 0005007        |                                                             |                                                          |                                         | 7c                      | 9.3                                      | 117                          |                                         | 4.4                                                                    |
| 1100 0005008        |                                                             |                                                          |                                         | 8c                      | 10.0                                     | 135                          |                                         | 4.0                                                                    |
| 1100 0005010        |                                                             |                                                          |                                         | 10c                     | 10.9                                     | 143                          |                                         | 4.0                                                                    |
| 1100 0005012        |                                                             |                                                          |                                         | 12c                     | 11.2                                     | 162                          |                                         | 3.6                                                                    |
| 1100 0005016        |                                                             |                                                          |                                         | 16c                     | 12.6                                     | 211                          |                                         | 3.2                                                                    |
| 1100 0005018        |                                                             |                                                          |                                         | 18c                     | 13.2                                     | 235                          |                                         | 3.2                                                                    |
| 1100 0005020        |                                                             |                                                          |                                         | 20c                     | 14.1                                     | 266                          |                                         | 3.2                                                                    |
| 1100 0005025        |                                                             |                                                          |                                         | 25c                     | 15.7                                     | 312                          |                                         | 2.4                                                                    |
| 1100 0005030        |                                                             |                                                          |                                         | 30c                     | 16.8                                     | 369                          |                                         | 2.4                                                                    |
| 1100 0007502        | 0.75mm <sup>2</sup> /19AWG                                  | 28/0.18<br>(1.0mm)                                       | 2.3                                     | 2c                      | 6.5                                      | 56                           | 26                                      | 8.8                                                                    |
| 1100 0007503        |                                                             |                                                          |                                         | 3c                      | 6.9                                      | 66                           |                                         | 7.7                                                                    |
| 1100 0007504        |                                                             |                                                          |                                         | 4c                      | 7.5                                      | 81                           |                                         | 7.2                                                                    |
| 1100 0007505        |                                                             |                                                          |                                         | 5c                      | 8.3                                      | 100                          |                                         | 6.6                                                                    |
| 1100 0007506        |                                                             |                                                          |                                         | 6c                      | 9.2                                      | 122                          |                                         | 6.1                                                                    |
| 1100 0007507        |                                                             |                                                          |                                         | 7c                      | 10.0                                     | 143                          |                                         | 6.1                                                                    |
| 1100 0007508        |                                                             |                                                          |                                         | 8c                      | 10.9                                     | 169                          |                                         | 5.5                                                                    |
| 1100 0007510        |                                                             |                                                          |                                         | 10c                     | 11.7                                     | 175                          |                                         | 5.5                                                                    |
| 1100 0007512        |                                                             |                                                          |                                         | 12c                     | 12.3                                     | 205                          |                                         | 5.0                                                                    |
| 1100 0007516        |                                                             |                                                          |                                         | 16c                     | 13.7                                     | 267                          |                                         | 4.4                                                                    |
| 1100 0007518        |                                                             |                                                          |                                         | 18c                     | 14.4                                     | 297                          |                                         | 4.4                                                                    |
| 1100 0007520        |                                                             |                                                          |                                         | 20c                     | 15.4                                     | 336                          |                                         | 4.4                                                                    |
| 1100 0007525        |                                                             |                                                          |                                         | 25c                     | 17.1                                     | 395                          |                                         | 3.3                                                                    |
| 1100 0007530        |                                                             |                                                          |                                         | 30c                     | 18.2                                     | 467                          |                                         | 3.3                                                                    |
| 1100 0010002        | 1.0mm <sup>2</sup> /18AWG                                   | 37/0.18<br>(1.2mm)                                       | 2.5                                     | 2c                      | 6.9                                      | 64                           | 19.5                                    | 18.0                                                                   |
| 1100 0010003        |                                                             |                                                          |                                         | 3c                      | 7.3                                      | 77                           |                                         | 18.0                                                                   |
| 1100 0010004        |                                                             |                                                          |                                         | 4c                      | 8.2                                      | 98                           |                                         | 14.4                                                                   |
| 1100 0010005        |                                                             |                                                          |                                         | 5c                      | 8.9                                      | 118                          |                                         | 14.4                                                                   |
| 1100 0010006        |                                                             |                                                          |                                         | 6c                      | 9.8                                      | 144                          |                                         | 14.4                                                                   |
| 1100 0010007        |                                                             |                                                          |                                         | 7c                      | 10.9                                     | 173                          |                                         | 12.6                                                                   |
| 1100 0010008        |                                                             |                                                          |                                         | 8c                      | 11.7                                     | 199                          |                                         | 12.6                                                                   |
| 1100 0010010        |                                                             |                                                          |                                         | 10c                     | 12.7                                     | 213                          |                                         | 9.0                                                                    |
| 1100 0010012        |                                                             |                                                          |                                         | 12c                     | 13.1                                     | 243                          |                                         | 9.0                                                                    |
| 1100 0010016        |                                                             |                                                          |                                         | 16c                     | 14.7                                     | 318                          |                                         | 9.0                                                                    |
| 1100 0010018        |                                                             |                                                          |                                         | 18c                     | 15.6                                     | 361                          |                                         | 9.0                                                                    |
| 1100 0010020        |                                                             |                                                          |                                         | 20c                     | 16.6                                     | 407                          |                                         | 9.0                                                                    |
| 1100 0010025        |                                                             |                                                          |                                         | 25c                     | 18.5                                     | 480                          |                                         | 9.0                                                                    |
| 1100 0010030        |                                                             |                                                          |                                         | 30c                     | 19.7                                     | 567                          |                                         | 9.0                                                                    |

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

# RO-FLEX 1100T

For Fixed installation. Oil resistant PVC cable with two or more conductors.

| ケーブル構造 CABLE CONSTRUCTION |                                              |                                                         |                                      |                         |                                       |                              |                                      |                                                                     |
|---------------------------|----------------------------------------------|---------------------------------------------------------|--------------------------------------|-------------------------|---------------------------------------|------------------------------|--------------------------------------|---------------------------------------------------------------------|
| 商品番号<br>Part number       | 導体断面積<br>Nominal cross sectional area<br>mm² | 導体構成/(外径)<br>Conductor composition/<br>(diameter)<br>mm | 絶縁外径<br>Diameter of insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor resistance<br>Ω/km | 許容電流<br>(IEC 60364-5-52)<br>Current Carrying Capacities(At30℃)<br>A |
| 1100 0015002              | 1.5mm²/16AWG                                 | 56/0.18<br>(1.5mm)                                      | 3.1                                  | 2c                      | 8.3                                   | 95                           | 13.3                                 | 24                                                                  |
| 1100 0015003              |                                              |                                                         |                                      | 3c                      | 8.8                                   | 114                          |                                      | 24                                                                  |
| 1100 0015004              |                                              |                                                         |                                      | 4c                      | 9.8                                   | 145                          |                                      | 19                                                                  |
| 1100 0015005              |                                              |                                                         |                                      | 5c                      | 10.9                                  | 180                          |                                      | 19                                                                  |
| 1100 0015006              |                                              |                                                         |                                      | 6c                      | 11.8                                  | 214                          |                                      | 19                                                                  |
| 1100 0015007              |                                              |                                                         |                                      | 7c                      | 13.1                                  | 256                          |                                      | 17                                                                  |
| 1100 0015008              |                                              |                                                         |                                      | 8c                      | 14.2                                  | 301                          |                                      | 17                                                                  |
| 1100 0015010              |                                              |                                                         |                                      | 10c                     | 15.5                                  | 320                          |                                      | 12                                                                  |
| 1100 0015012              |                                              |                                                         |                                      | 12c                     | 16.0                                  | 367                          |                                      | 12                                                                  |
| 1100 0015016              |                                              |                                                         |                                      | 16c                     | 18.1                                  | 487                          |                                      | 12                                                                  |
| 1100 0015018              |                                              |                                                         |                                      | 18c                     | 19.0                                  | 543                          |                                      | 12                                                                  |
| 1100 0015020              |                                              |                                                         |                                      | 20c                     | 20.2                                  | 612                          |                                      | 12                                                                  |
| 1100 0015025              | 2.5mm²/14AWG                                 | 93/0.18<br>(1.9mm)                                      | 3.6                                  | 25c                     | 22.7                                  | 729                          | 7.98                                 | 12                                                                  |
| 1100 0015030              |                                              |                                                         |                                      | 30c                     | 24.2                                  | 861                          |                                      | 12                                                                  |
| 1100 0025002              |                                              |                                                         |                                      | 2c                      | 9.5                                   | 134                          |                                      | 30                                                                  |
| 1100 0025003              |                                              |                                                         |                                      | 3c                      | 10.1                                  | 162                          |                                      | 30                                                                  |
| 1100 0025004              |                                              |                                                         |                                      | 4c                      | 11.2                                  | 206                          |                                      | 24                                                                  |
| 1100 0025005              |                                              |                                                         |                                      | 5c                      | 12.4                                  | 252                          |                                      | 24                                                                  |
| 1100 0025006              |                                              |                                                         |                                      | 6c                      | 13.7                                  | 306                          |                                      | 24                                                                  |
| 1100 0025007              |                                              |                                                         |                                      | 7c                      | 15.2                                  | 366                          |                                      | 21                                                                  |
| 1100 0025008              |                                              |                                                         |                                      | 8c                      | 16.5                                  | 429                          |                                      | 21                                                                  |
| 1100 0025010              |                                              |                                                         |                                      | 10c                     | 17.9                                  | 459                          |                                      | 15                                                                  |
| 1100 0025012              |                                              |                                                         |                                      | 12C                     | 18.5                                  | 528                          |                                      | 15                                                                  |
| 1100 0025016              |                                              |                                                         |                                      | 16c                     | 20.8                                  | 698                          |                                      | 15                                                                  |
| 1100 0025018              |                                              |                                                         |                                      | 18c                     | 21.9                                  | 781                          |                                      | 15                                                                  |
| 1100 0025020              |                                              |                                                         |                                      | 20c                     | 23.3                                  | 878                          |                                      | 15                                                                  |
| 1100 0025025              |                                              |                                                         |                                      | 25c                     | 26.1                                  | 1046                         |                                      | 15                                                                  |
| 1100 0025030              |                                              |                                                         |                                      | 30c                     | 27.8                                  | 1236                         |                                      | 15                                                                  |

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

| ケーブル構造 CABLE CONSTRUCTION |                                              |                                                         |                                      |                         |                                       |                              |                                      |                                                                     |
|---------------------------|----------------------------------------------|---------------------------------------------------------|--------------------------------------|-------------------------|---------------------------------------|------------------------------|--------------------------------------|---------------------------------------------------------------------|
| 商品番号<br>Part number       | 導体断面積<br>Nominal cross sectional area<br>mm² | 導体構成/(外径)<br>Conductor composition/<br>(diameter)<br>mm | 絶縁外径<br>Diameter of insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor resistance<br>Ω/km | 許容電流<br>(IEC 60364-5-52)<br>Current Carrying Capacities(At30℃)<br>A |
| 1100 0040002              | 4.0mm²/12AWG                                 | 7/20/0.18<br>(2.6mm)                                    | 4.3                                  | 2c                      | 11.1                                  | 188                          | 4.95                                 | 35                                                                  |
| 1100 0040003              |                                              |                                                         |                                      | 3c                      | 11.8                                  | 228                          |                                      | 35                                                                  |
| 1100 0040004              |                                              |                                                         |                                      | 4c                      | 13.1                                  | 291                          |                                      | 28                                                                  |
| 1100 0040005              |                                              |                                                         |                                      | 5c                      | 14.5                                  | 356                          |                                      | 28                                                                  |
| 1100 0060002              | 6.0mm²/10AWG                                 | 7/32/0.18<br>(3.1mm)                                    | 5.5                                  | 2c                      | 13.9                                  | 295                          | 3.3                                  | 50                                                                  |
| 1100 0060003              |                                              |                                                         |                                      | 3c                      | 15.0                                  | 365                          |                                      | 50                                                                  |
| 1100 0060004              |                                              |                                                         |                                      | 4c                      | 16.6                                  | 462                          |                                      | 40                                                                  |
| 1100 0060005              |                                              |                                                         |                                      | 5c                      | 18.4                                  | 565                          |                                      | 40                                                                  |
| 1100 0100002              | 10mm²/8AWG                                   | 7/53/0.18<br>(3.9mm)                                    | 6.8                                  | 2c                      | 16.9                                  | 452                          | 1.91                                 | 70                                                                  |
| 1100 0100003              |                                              |                                                         |                                      | 3c                      | 18.2                                  | 562                          |                                      | 70                                                                  |
| 1100 0100004              |                                              |                                                         |                                      | 4c                      | 20.2                                  | 714                          |                                      | 56                                                                  |
| 1100 0100005              |                                              |                                                         |                                      | 5c                      | 22.5                                  | 882                          |                                      | 56                                                                  |
| 1100 0160002              | 16mm²/6AWG                                   | 7/40/0.26<br>(4.9mm)                                    | 8.6                                  | 2c                      | 21.1                                  | 705                          | 1.21                                 | 95                                                                  |
| 1100 0160003              |                                              |                                                         |                                      | 3c                      | 22.7                                  | 875                          |                                      | 95                                                                  |
| 1100 0160004              |                                              |                                                         |                                      | 4c                      | 25.3                                  | 1120                         |                                      | 76                                                                  |
| 1100 0160005              |                                              |                                                         |                                      | 5c                      | 28.1                                  | 1378                         |                                      | 76                                                                  |
| 1100 0250002              | 25mm²/4AWG                                   | 19/49/0.18<br>(6.8mm)                                   | 10.0                                 | 2c                      | 24.3                                  | 993                          | 0.78                                 | 125                                                                 |
| 1100 0250003              |                                              |                                                         |                                      | 3c                      | 26.1                                  | 1245                         |                                      | 125                                                                 |
| 1100 0250004              |                                              |                                                         |                                      | 4c                      | 29.1                                  | 1598                         |                                      | 100                                                                 |
| 1100 0250005              |                                              |                                                         |                                      | 5c                      | 32.5                                  | 1980                         |                                      | 100                                                                 |
| 1100 0350002              | 35mm²/2AWG                                   | 19/33/0.26<br>(7.7mm)                                   | 11.5                                 | 2c                      | 27.7                                  | 1325                         | 0.5335                               | 170                                                                 |
| 1100 0350003              |                                              |                                                         |                                      | 3c                      | 29.9                                  | 1681                         |                                      | 170                                                                 |
| 1100 0350004              |                                              |                                                         |                                      | 4c                      | 33.3                                  | 2157                         |                                      | 136                                                                 |
| 1100 0350005              |                                              |                                                         |                                      | 5c                      | 37.2                                  | 2667                         |                                      | 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℃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℃ in the air.

| 【0.5mm <sup>2</sup> ～0.75mm <sup>2</sup> 】<br>■温度減少係数   Temperature Correction Factor |      |       |       |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 温度(℃)<br>Ambient temperature                                                          | 10   | 11～15 | 16～20 | 21～25 | 26～30 | 31～35 | 36～40 | 41～45 | 46～50 | 51～55 | 56～60 |
| 係数<br>Correction factor                                                               | 1.22 | 1.17  | 1.12  | 1.06  | 1.00  | 0.94  | 0.87  | 0.79  | 0.71  | 0.61  | 0.50  |

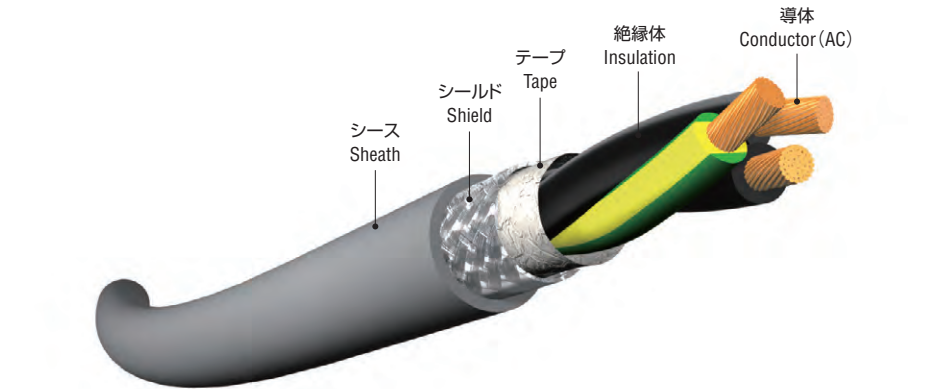
| 【1.0mm <sup>2</sup> ～35mm <sup>2</sup> 】<br>■温度減少係数   Temperature Correction Factor |       |       |       |       |       |       |       |       |       |
|-------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 温度(℃)<br>Ambient temperature                                                        | 21～25 | 26～30 | 31～35 | 36～40 | 41～45 | 46～50 | 51～55 | 56～60 | 61～70 |
| 係数<br>Correction factor                                                             | 1.05  | 1.00  | 0.94  | 0.88  | 0.82  | 0.75  | 0.67  | 0.58  | 0.33  |

# RO-FLEX 1100TS

For fixed installation. Screened wires. Oil resistant PVC cable with two or more conductors.

WORLD WIDE STANDARD CABLE  
Recognition-Series

### EMC対策/To keep the EMC



シース色：灰  
Sheath color：Grey

例/Reference RO-FLEX 1100TS 0.5mm<sup>2</sup>×3c

| ケーブル特性<br>Characteristics<br>of cable | 耐熱性<br>Heat resistance | 耐寒性<br>Cold resistance | 耐油性<br>Oil resistance | 難燃性<br>Flame retardant | 耐屈曲性<br>Flexing | 耐ノイズ性<br>Noise resistance | 配線<br>Wiring                          | RoHS指令<br>10物質<br>RoHS Directive<br>10 substances | アウトガス対応<br>Outgas |
|---------------------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------|---------------------------|---------------------------------------|---------------------------------------------------|-------------------|
|                                       | +105℃                  | −15℃                   | A                     | B                      | B               | B                         | 機器内配線<br>及び外部連絡<br>Internal, External | 適合<br>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. 固定部
2. 電源線
3. 耐ノイズ環境

1. Fixed installation
2. Power line
3. Noise resistance

### 特 長 Characteristics

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」2011/2/65/EUに適應しています。

RO-FLEX 1100TS series enable to simplify the design and efficient storage for the reduction of costs due to 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               |                                         | CE                                                                              | UL                                                        | c-UL                                                      | PSE <sup>※</sup>           |
|-----------------------|-----------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------|
| 認証<br>Approval        | 認証番号<br>Certificate number              | J 50010534<br>J 50010549                                                        | E 194236                                                  | E 194236                                                  | JD 60090188<br>JD 60090189 |
|                       | 適応規格<br>Standard                        | HD 21<br>EN 50525                                                               | UL 758                                                    | CSA C22.2 No.210                                          | 電気用品安全法                    |
|                       | ケーブルデザイン<br>Cable designation           | A05V2V5-F                                                                       | 2464:0.5~1.0mm <sup>2</sup><br>2586:1.5~35mm <sup>2</sup> | AWM I/II Group A/B                                        | 〈PS〉E                      |
| 特性<br>Characteristics | 公称電圧 (対地間/線間)<br>Rated voltage          | 300/500V                                                                        | 300V:0.5~1.0mm <sup>2</sup><br>600V:1.5~35mm <sup>2</sup> | 300V:0.5~1.0mm <sup>2</sup><br>600V:1.5~35mm <sup>2</sup> | 300/500V                   |
|                       | 耐電圧<br>Test voltage                     | 2500V/5分                                                                        |                                                           |                                                           |                            |
|                       | 絶縁抵抗<br>Insulation resistance           | 100MΩ・km (at20℃)                                                                |                                                           |                                                           |                            |
|                       | 使用温度<br>Temperature range               | -15℃~90℃                                                                        | 80℃:0.5~1.0mm <sup>2</sup><br>105℃:1.5~35mm <sup>2</sup>  | 105℃                                                      | -15℃~90℃                   |
|                       | 曲げ半径<br>Minimum bending for radius      | 6D D=ケーブル外径/Overall diameter                                                    |                                                           |                                                           |                            |
|                       | 難燃性<br>Flame retardant                  | EN 50265-2-1 (IEC 60332-1)                                                      | VW-1                                                      | FT1                                                       | EN 50265-2-1 (IEC 60332-1) |
| 構造<br>Construction    | 導体<br>Conductor                         | IEC 60228 Class 5                                                               | ASTM B-3                                                  |                                                           | IEC 60228 Class 5          |
|                       | 絶縁/識別<br>Insulation/Core identification | 耐熱PVC/黒/ナンバリング白+黄/緑<br>Heat resistant PVC/Black core with white numbering + Y/G |                                                           |                                                           |                            |
|                       | シールド<br>Shield                          | 編組シールド 0.12TAC<br>Braid shield 0.12TAC                                          |                                                           |                                                           |                            |
|                       | シース/シース色<br>Sheath/Sheath color         | 耐油・耐熱PVC/灰<br>Oil and Heat resistant PVC/Grey                                   |                                                           |                                                           |                            |

※電気用品安全法は0.75mm<sup>2</sup>以上にのみ適用されています。  
※Denan law is applicable to 0.75mm<sup>2</sup> and more

### ケーブル構造 CABLE CONSTRUCTION

| 商品番号<br>Part number | 導体断面積<br>Nominal cross<br>sectional area<br>mm <sup>2</sup> | 導体構成/〈外径〉<br>Conductor<br>composition/<br>〈diameter〉<br>mm | 絶縁外径<br>Diameter of<br>insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall<br>diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor<br>resistance<br>Ω/km | 許容電流<br>(IEC 60364-5-52)<br>Current Carrying<br>Capacities(At30℃)<br>A |
|---------------------|-------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|-------------------------|------------------------------------------|------------------------------|-----------------------------------------|------------------------------------------------------------------------|
| 1100 1005002        | 0.5mm <sup>2</sup> /21AWG                                   | 19/0.18<br>〈0.9mm〉                                         | 2.1                                     | 2c                      | 6.6                                      | 65                           | 39                                      | 6.4                                                                    |
| 1100 1005003        |                                                             |                                                            |                                         | 3c                      | 6.9                                      | 73                           |                                         | 5.6                                                                    |
| 1100 1005004        |                                                             |                                                            |                                         | 4c                      | 7.5                                      | 87                           |                                         | 5.2                                                                    |
| 1100 1005005        |                                                             |                                                            |                                         | 5c                      | 8.3                                      | 105                          |                                         | 4.8                                                                    |
| 1100 1005006        |                                                             |                                                            |                                         | 6c                      | 8.9                                      | 122                          |                                         | 4.4                                                                    |
| 1100 1005007        |                                                             |                                                            |                                         | 7c                      | 9.8                                      | 144                          |                                         | 4.4                                                                    |
| 1100 1005008        |                                                             |                                                            |                                         | 8c                      | 10.7                                     | 169                          |                                         | 4.0                                                                    |
| 1100 1005010        |                                                             |                                                            |                                         | 10c                     | 11.4                                     | 175                          |                                         | 4.0                                                                    |
| 1100 1005012        |                                                             |                                                            |                                         | 12c                     | 11.7                                     | 195                          |                                         | 3.6                                                                    |
| 1100 1005016        |                                                             |                                                            |                                         | 16c                     | 13.1                                     | 248                          |                                         | 3.2                                                                    |
| 1100 1005018        |                                                             |                                                            |                                         | 18c                     | 13.9                                     | 280                          |                                         | 3.2                                                                    |
| 1100 1005020        |                                                             |                                                            |                                         | 20c                     | 14.6                                     | 308                          |                                         | 3.2                                                                    |
| 1100 1005025        |                                                             |                                                            |                                         | 25c                     | 16.2                                     | 360                          |                                         | 2.4                                                                    |
| 1100 1005030        |                                                             |                                                            |                                         | 30c                     | 17.3                                     | 420                          |                                         | 2.4                                                                    |
| 1100 1007502        | 0.75mm <sup>2</sup> /19AWG                                  | 28/0.18<br>〈1.0mm〉                                         | 2.3                                     | 2c                      | 7.0                                      | 75                           | 26                                      | 8.8                                                                    |
| 1100 1007503        |                                                             |                                                            |                                         | 3c                      | 7.4                                      | 87                           |                                         | 7.7                                                                    |
| 1100 1007504        |                                                             |                                                            |                                         | 4c                      | 8.2                                      | 106                          |                                         | 7.2                                                                    |
| 1100 1007505        |                                                             |                                                            |                                         | 5c                      | 8.8                                      | 125                          |                                         | 6.6                                                                    |
| 1100 1007506        |                                                             |                                                            |                                         | 6c                      | 9.7                                      | 149                          |                                         | 6.1                                                                    |
| 1100 1007507        |                                                             |                                                            |                                         | 7c                      | 10.7                                     | 177                          |                                         | 6.1                                                                    |
| 1100 1007508        |                                                             |                                                            |                                         | 8c                      | 11.4                                     | 201                          |                                         | 5.5                                                                    |
| 1100 1007510        |                                                             |                                                            |                                         | 10c                     | 12.4                                     | 215                          |                                         | 5.5                                                                    |
| 1100 1007512        |                                                             |                                                            |                                         | 12c                     | 12.8                                     | 241                          |                                         | 5.0                                                                    |
| 1100 1007516        |                                                             |                                                            |                                         | 16c                     | 14.2                                     | 307                          |                                         | 4.4                                                                    |
| 1100 1007518        |                                                             |                                                            |                                         | 18c                     | 15.1                                     | 347                          |                                         | 4.4                                                                    |
| 1100 1007520        |                                                             |                                                            |                                         | 20c                     | 15.9                                     | 382                          |                                         | 4.4                                                                    |
| 1100 1007525        |                                                             |                                                            |                                         | 25c                     | 17.6                                     | 447                          |                                         | 3.3                                                                    |
| 1100 1007530        |                                                             |                                                            |                                         | 30c                     | 18.7                                     | 521                          |                                         | 3.3                                                                    |
| 1100 1010002        | 1.0mm <sup>2</sup> /18AWG                                   | 37/0.18<br>〈1.2mm〉                                         | 2.5                                     | 2c                      | 7.4                                      | 85                           | 19.5                                    | 18.0                                                                   |
| 1100 1010003        |                                                             |                                                            |                                         | 3c                      | 8.0                                      | 102                          |                                         | 18.0                                                                   |
| 1100 1010004        |                                                             |                                                            |                                         | 4c                      | 8.7                                      | 123                          |                                         | 14.4                                                                   |
| 1100 1010005        |                                                             |                                                            |                                         | 5c                      | 9.6                                      | 149                          |                                         | 14.4                                                                   |
| 1100 1010006        |                                                             |                                                            |                                         | 6c                      | 10.3                                     | 173                          |                                         | 14.4                                                                   |
| 1100 1010007        |                                                             |                                                            |                                         | 7c                      | 11.4                                     | 205                          |                                         | 12.6                                                                   |
| 1100 1010008        |                                                             |                                                            |                                         | 8c                      | 12.4                                     | 239                          |                                         | 12.6                                                                   |
| 1100 1010010        |                                                             |                                                            |                                         | 10c                     | 13.2                                     | 251                          |                                         | 9.0                                                                    |
| 1100 1010012        |                                                             |                                                            |                                         | 12c                     | 13.8                                     | 288                          |                                         | 9.0                                                                    |
| 1100 1010016        |                                                             |                                                            |                                         | 16c                     | 15.4                                     | 368                          |                                         | 9.0                                                                    |
| 1100 1010018        |                                                             |                                                            |                                         | 18c                     | 16.1                                     | 407                          |                                         | 9.0                                                                    |
| 1100 1010020        |                                                             |                                                            |                                         | 20c                     | 17.1                                     | 457                          |                                         | 9.0                                                                    |
| 1100 1010025        |                                                             |                                                            |                                         | 25c                     | 19.0                                     | 536                          |                                         | 9.0                                                                    |
| 1100 1010030        |                                                             |                                                            |                                         | 30c                     | 20.2                                     | 626                          |                                         | 9.0                                                                    |

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

# RO-FLEX 1100TS

For fixed installation. Screened wires.  
Oil resistant PVC cable with two or more conductors.

| ケーブル構造 CABLE CONSTRUCTION |                                              |                                                         |                                      |                         |                                       |                              |                                      |                                                                     |
|---------------------------|----------------------------------------------|---------------------------------------------------------|--------------------------------------|-------------------------|---------------------------------------|------------------------------|--------------------------------------|---------------------------------------------------------------------|
| 商品番号<br>Part number       | 導体断面積<br>Nominal cross sectional area<br>mm² | 導体構成/(外径)<br>Conductor composition/<br>(diameter)<br>mm | 絶縁外径<br>Diameter of insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor resistance<br>Ω/km | 許容電流<br>(IEC 60364-5-52)<br>Current Carrying Capacities(At30℃)<br>A |
| 1100 1015002              | 1.5mm²/16AWG                                 | 56/0.18<br>(1.5mm)                                      | 3.1                                  | 2c                      | 8.8                                   | 119                          | 13.3                                 | 24                                                                  |
| 1100 1015003              |                                              |                                                         |                                      | 3c                      | 9.5                                   | 143                          |                                      | 24                                                                  |
| 1100 1015004              |                                              |                                                         |                                      | 4c                      | 10.3                                  | 173                          |                                      | 19                                                                  |
| 1100 1015005              |                                              |                                                         |                                      | 5c                      | 11.4                                  | 212                          |                                      | 19                                                                  |
| 1100 1015006              |                                              |                                                         |                                      | 6c                      | 12.5                                  | 254                          |                                      | 19                                                                  |
| 1100 1015007              |                                              |                                                         |                                      | 7c                      | 13.8                                  | 301                          |                                      | 17                                                                  |
| 1100 1015008              |                                              |                                                         |                                      | 8c                      | 14.7                                  | 343                          |                                      | 17                                                                  |
| 1100 1015010              |                                              |                                                         |                                      | 10c                     | 16.0                                  | 367                          |                                      | 12                                                                  |
| 1100 1015012              |                                              |                                                         |                                      | 12c                     | 16.7                                  | 422                          |                                      | 12                                                                  |
| 1100 1015016              |                                              |                                                         |                                      | 16c                     | 18.6                                  | 541                          |                                      | 12                                                                  |
| 1100 1015018              |                                              |                                                         |                                      | 18c                     | 19.7                                  | 609                          |                                      | 12                                                                  |
| 1100 1015020              |                                              |                                                         |                                      | 20c                     | 20.9                                  | 681                          |                                      | 12                                                                  |
| 1100 1015025              |                                              |                                                         |                                      | 25c                     | 23.2                                  | 797                          |                                      | 12                                                                  |
| 1100 1015030              |                                              |                                                         |                                      | 30c                     | 24.7                                  | 934                          |                                      | 12                                                                  |
| 1100 1025002              | 2.5mm²/14AWG                                 | 93/0.18<br>(1.9mm)                                      | 3.6                                  | 2c                      | 10.0                                  | 162                          | 7.98                                 | 30                                                                  |
| 1100 1025003              |                                              |                                                         |                                      | 3c                      | 10.8                                  | 197                          |                                      | 30                                                                  |
| 1100 1025004              |                                              |                                                         |                                      | 4c                      | 11.7                                  | 239                          |                                      | 24                                                                  |
| 1100 1025005              |                                              |                                                         |                                      | 5c                      | 12.9                                  | 289                          |                                      | 24                                                                  |
| 1100 1025006              |                                              |                                                         |                                      | 6c                      | 14.2                                  | 347                          |                                      | 24                                                                  |
| 1100 1025007              |                                              |                                                         |                                      | 7c                      | 15.7                                  | 412                          |                                      | 21                                                                  |
| 1100 1025008              |                                              |                                                         |                                      | 8c                      | 17.0                                  | 478                          |                                      | 21                                                                  |
| 1100 1025010              |                                              |                                                         |                                      | 10c                     | 18.4                                  | 513                          |                                      | 15                                                                  |
| 1100 1025012              |                                              |                                                         |                                      | 12c                     | 19.0                                  | 584                          |                                      | 15                                                                  |
| 1100 1025016              |                                              |                                                         |                                      | 16c                     | 21.3                                  | 760                          |                                      | 15                                                                  |
| 1100 1025018              |                                              |                                                         |                                      | 18c                     | 22.6                                  | 857                          |                                      | 15                                                                  |
| 1100 1025020              |                                              |                                                         |                                      | 20c                     | 24.0                                  | 959                          |                                      | 15                                                                  |
| 1100 1025025              |                                              |                                                         |                                      | 25c                     | 26.8                                  | 1138                         |                                      | 15                                                                  |
| 1100 1025030              |                                              |                                                         |                                      | 30c                     | 28.5                                  | 1333                         |                                      | 15                                                                  |

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

| ケーブル構造 CABLE CONSTRUCTION |                                              |                                                         |                                      |                         |                                       |                              |                                      |                                                                     |
|---------------------------|----------------------------------------------|---------------------------------------------------------|--------------------------------------|-------------------------|---------------------------------------|------------------------------|--------------------------------------|---------------------------------------------------------------------|
| 商品番号<br>Part number       | 導体断面積<br>Nominal cross sectional area<br>mm² | 導体構成/(外径)<br>Conductor composition/<br>(diameter)<br>mm | 絶縁外径<br>Diameter of insulation<br>mm | 芯数<br>No. of cores<br>芯 | 仕上外径<br>Approx.Overall diameter<br>mm | 概算質量<br>Approx.mass<br>kg/km | 導体抵抗<br>Conductor resistance<br>Ω/km | 許容電流<br>(IEC 60364-5-52)<br>Current Carrying Capacities(At30℃)<br>A |
| 1100 1040002              | 4.0mm²/12AWG                                 | 7/20/0.18<br>(2.6mm)                                    | 4.3                                  | 2c                      | 11.6                                  | 221                          | 4.95                                 | 35                                                                  |
| 1100 1040003              |                                              |                                                         |                                      | 3c                      | 12.5                                  | 269                          |                                      | 35                                                                  |
| 1100 1040004              |                                              |                                                         |                                      | 4c                      | 13.8                                  | 336                          |                                      | 28                                                                  |
| 1100 1040005              |                                              |                                                         |                                      | 5c                      | 15.2                                  | 405                          |                                      | 28                                                                  |
| 1100 1060002              | 6.0mm²/10AWG                                 | 7/32/0.18<br>(3.1mm)                                    | 5.5                                  | 2c                      | 14.4                                  | 336                          | 3.3                                  | 50                                                                  |
| 1100 1060003              |                                              |                                                         |                                      | 3c                      | 15.5                                  | 409                          |                                      | 50                                                                  |
| 1100 1060004              |                                              |                                                         |                                      | 4c                      | 17.1                                  | 512                          |                                      | 40                                                                  |
| 1100 1060005              |                                              |                                                         |                                      | 5c                      | 18.9                                  | 620                          |                                      | 40                                                                  |
| 1100 1100002              | 10mm²/8AWG                                   | 7/53/0.18<br>(3.9mm)                                    | 6.8                                  | 2c                      | 17.4                                  | 503                          | 1.91                                 | 70                                                                  |
| 1100 1100003              |                                              |                                                         |                                      | 3c                      | 18.7                                  | 616                          |                                      | 70                                                                  |
| 1100 1100004              |                                              |                                                         |                                      | 4c                      | 20.9                                  | 784                          |                                      | 56                                                                  |
| 1100 1100005              |                                              |                                                         |                                      | 5c                      | 23.0                                  | 949                          |                                      | 56                                                                  |
| 1100 1160002              | 16mm²/6AWG                                   | 7/40/0.26<br>(4.9mm)                                    | 8.6                                  | 2c                      | 21.6                                  | 769                          | 1.21                                 | 95                                                                  |
| 1100 1160003              |                                              |                                                         |                                      | 3c                      | 23.2                                  | 942                          |                                      | 95                                                                  |
| 1100 1160004              |                                              |                                                         |                                      | 4c                      | 25.8                                  | 1196                         |                                      | 76                                                                  |
| 1100 1160005              |                                              |                                                         |                                      | 5c                      | 28.6                                  | 1463                         |                                      | 76                                                                  |
| 1100 1250002              | 25mm²/4AWG                                   | 19/49/0.18<br>(6.8mm)                                   | 10.0                                 | 2c                      | 24.8                                  | 1066                         | 0.78                                 | 125                                                                 |
| 1100 1250003              |                                              |                                                         |                                      | 3c                      | 26.8                                  | 1337                         |                                      | 125                                                                 |
| 1100 1250004              |                                              |                                                         |                                      | 4c                      | 29.8                                  | 1699                         |                                      | 100                                                                 |
| 1100 1250005              |                                              |                                                         |                                      | 5c                      | 33.0                                  | 2079                         |                                      | 100                                                                 |
| 1100 1350002              | 35mm²/2AWG                                   | 19/33/0.26<br>(7.7mm)                                   | 11.5                                 | 2c                      | 28.4                                  | 1421                         | 0.5335                               | 170                                                                 |
| 1100 1350003              |                                              |                                                         |                                      | 3c                      | 30.4                                  | 1772                         |                                      | 170                                                                 |
| 1100 1350004              |                                              |                                                         |                                      | 4c                      | 34.0                                  | 2273                         |                                      | 136                                                                 |
| 1100 1350005              |                                              |                                                         |                                      | 5c                      | 37.7                                  | 2779                         |                                      | 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℃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℃ in the air.

【0.5mm²～0.75mm²】

■温度減少係数 Temperature Correction Factor

| 温度(℃)<br>Ambient temperature | 10   | 11～15 | 16～20 | 21～25 | 26～30 | 31～35 | 36～40 | 41～45 | 46～50 | 51～55 | 56～60 |
|------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 係数<br>Correction factor      | 1.22 | 1.17  | 1.12  | 1.06  | 1.00  | 0.94  | 0.87  | 0.79  | 0.71  | 0.61  | 0.50  |

【1.0mm²～35mm²】

■温度減少係数 Temperature Correction Factor

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