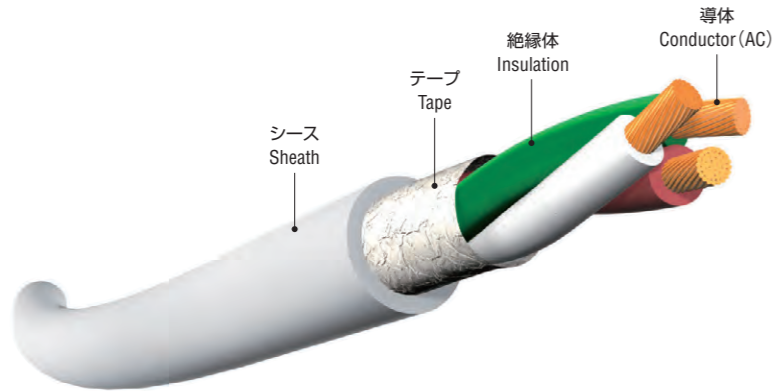


# RO-FLEX 725T

Communication Circuits cable NEC Article 800.

## 北米市場/North American Market



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

例/Reference RO-FLEX 725T 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>Internal | 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. 信号線・制御線
2. 通信線(ケーブルトレイ配線用)

1. Signal line・Control line
2. Communication line for tray cable

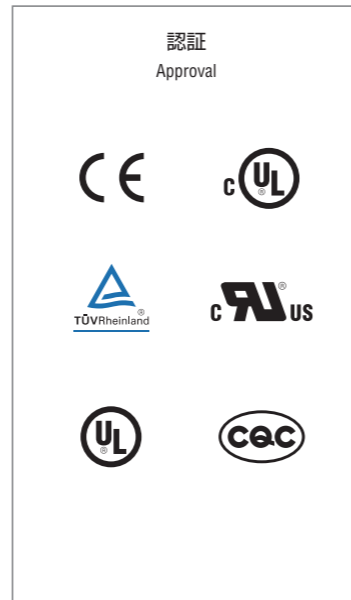
### 特長 Characteristics

UL, c-UL, NFPA, CE, CQC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、細径でULのListed対応であり、従来のRecognized(AWM)と比べても同等の外径となっています。又、「RoHS指令」2011/65/EUに適合しています。

RO-FLEX 725T series enable to simplify the design and efficient storage for the reduction of costs due to UL, c-UL, NFPA, CE and CQC approvals. The product is in conformity to Directive 2014/35/EU("Low voltage directive"). They are small diameter Listed products equal with the Recognized(AWM). \*Conformity to RoHS directive 2011/65/EU"

### ■認証 APPROVAL

| 項目 Item               | (UL)                                    | UL  | c(UL)    | c-UL                      | CE                 | CQC   |                 |
|-----------------------|---|---|----------|---------------------------|--------------------|---|-----------------|
| 認証<br>Approval        | 認証番号<br>Certificate number              | E 308483  | E 194236 | E 308483                  | E 194236           | J 50010985  | CQC 21011321973 |
|                       | 適用規格<br>Standard                        | UL 444  | UL 758   | CSA C22.2 No.214          | CSA C22.2 No.210   | VDE 0812  | GB/T 38296      |
|                       | ケーブルデザイン<br>Cable designation           | CM  | 2464     | CM                        | AWM I/II Group A/B | LIYY  | E-105/T/PVC/PVC |
| 特性<br>Characteristics | 公称電圧<br>Rated voltage                   | 300V  | 300V     | 300V                      | 300V               | 350V peak:0.14mm <sup>2</sup><br>500V peak:0.25~0.75mm <sup>2</sup><br>900V peak:1.5mm <sup>2</sup> | 300V            |
|                       | 耐電圧<br>Test voltage                     | 2500V/5分  |          |                           |                    |   |                 |
|                       | 絶縁抵抗<br>Insulation resistance           | 200MΩ・km (at 20℃)   |          |                           |                    |   |                 |
|                       | 使用温度<br>Temperature range               | 90℃   | 80℃      | 90℃                       | 105℃               | -15℃~90℃  | 105℃            |
|                       | 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                  | VW-1 for CT use (UL 1685)                                   | VW-1     | VW-1 for CT use (UL 1685) | FT1                | EN 50265-2-1 (IEC 60332-1)  | GB/T 12666      |
| 構造<br>Construction    | 導体<br>Conductor                         | ASTM B 3  |          |                           |                    | IEC 60228 Class 5   | GB/T 3953       |
|                       | 絶縁/識別<br>Insulation/Core identification | 耐熱PVC/「識別1」参照<br>Heat resistant PVC/See core identification |          |                           |                    |   |                 |
|                       | シース/シース色<br>Sheath/Sheath color         | 耐油・耐熱PVC/ライトグレー<br>Oil and Heat resistant PVC/Light grey    |          |                           |                    |   |                 |



### 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>(IEC 60364-5-52)<br>Current Carrying Capacities (At 30℃)<br>A |     |      |      |     |
|---------------------|--|---|--------------------------------------|----------------------------|---------------------------------------|------------------------------|--------------------------------------|---|-----|------|------|-----|
| 7250 0001402        | 0.14mm <sup>2</sup> /26AWG                               | 7/0.16<br>(0.5mm)                                       | 1.1                                  | 2c                         | 3.9                                   | 17                           | 132                                  | 3.6   |     |      |      |     |
| 7250 0001403        |  |   |                                      | 3c                         | 4.1                                   | 20                           |                                      | 3.1   |     |      |      |     |
| 7250 0001404        |  |   |                                      | 4c                         | 4.4                                   | 24                           |                                      | 2.7   |     |      |      |     |
| 7250 0001405        |  |   |                                      | 5c                         | 4.7                                   | 28                           |                                      | 2.4   |     |      |      |     |
| 7250 0001408        |  |   |                                      | 8c                         | 5.7                                   | 40                           |                                      | 2.0   |     |      |      |     |
| 7250 0001410        |  |   |                                      | 10c                        | 6.1                                   | 45                           |                                      | 1.9   |     |      |      |     |
| 7250 0001420        |  |   |                                      | 20c                        | 7.8                                   | 80                           |                                      | 1.4   |     |      |      |     |
| 7250 0001440        |  |   |                                      | 40c                        | 10.8                                  | 151                          |                                      | 1.1   |     |      |      |     |
| 7250 0002502        |  |   |                                      | 0.25mm <sup>2</sup> /24AWG | 14/0.15<br>(0.65mm)                   | 1.45                         |                                      | 2c  | 4.6 | 24   | 75.4 | 5.2 |
| 7250 0002503        |  |   |                                      |                            |                                       |                              |                                      | 3c  | 4.8 | 29   |      | 4.4 |
| 7250 0002504        | 4c   | 5.2   | 35                                   |                            |                                       |                              | 3.9                                  |   |     |      |      |     |
| 7250 0002505        | 5c   | 5.6   | 41                                   |                            |                                       |                              | 3.5                                  |   |     |      |      |     |
| 7250 0002506        | 6c   | 6.1   | 47                                   |                            |                                       |                              | 3.2                                  |   |     |      |      |     |
| 7250 0002507        | 7c   | 6.6   | 54                                   |                            |                                       |                              | 3.0                                  |   |     |      |      |     |
| 7250 0002508        | 8c   | 7.0   | 61                                   |                            |                                       |                              | 2.9                                  |   |     |      |      |     |
| 7250 0002510        | 10c  | 7.7   | 72                                   |                            |                                       |                              | 2.7                                  |   |     |      |      |     |
| 7250 0002512        | 12c  | 7.9   | 81                                   |                            |                                       |                              | 2.6                                  |   |     |      |      |     |
| 7250 0002516        | 16c  | 8.9   | 107                                  |                            |                                       |                              | 2.2                                  |   |     |      |      |     |
| 7250 0002520        | 20c  | 9.8   | 130                                  |                            |                                       |                              | 2.0                                  |   |     |      |      |     |
| 7250 0002525        | 25c  | 11.1  | 160                                  |                            |                                       |                              | 1.9                                  |   |     |      |      |     |
| 7250 0002540        | 40c  | 13.9  | 253                                  |                            |                                       |                              | 1.5                                  |   |     |      |      |     |
| 7250 0003402        | 0.34mm <sup>2</sup> /22AWG                               | 19/0.15<br>(0.8mm)                                      | 1.6                                  |                            |                                       |                              | 2c                                   | 4.9   | 27  | 55.4 |      | 6.0 |
| 7250 0003403        |  |   |                                      |                            |                                       |                              | 3c                                   | 5.2   | 34  |      |      | 5.1 |
| 7250 0003404        |  |   |                                      |                            |                                       |                              | 4c                                   | 5.6   | 41  |      |      | 4.5 |
| 7250 0003405        |  |   |                                      | 5c                         | 6.0                                   | 48                           | 4.1                                  |   |     |      |      |     |
| 7250 0003406        |  |   |                                      | 6c                         | 6.5                                   | 56                           | 3.8                                  |   |     |      |      |     |
| 7250 0003407        |  |   |                                      | 7c                         | 7.1                                   | 64                           | 3.5                                  |   |     |      |      |     |
| 7250 0003408        |  |   |                                      | 8c                         | 7.8                                   | 76                           | 3.4                                  |   |     |      |      |     |
| 7250 0003410        |  |   |                                      | 10c                        | 8.3                                   | 86                           | 3.1                                  |   |     |      |      |     |
| 7250 0003412        |  |   |                                      | 12c                        | 8.6                                   | 98                           | 3.0                                  |   |     |      |      |     |
| 7250 0003416        |  |   |                                      | 16c                        | 9.6                                   | 129                          | 2.6                                  |   |     |      |      |     |
| 7250 0003420        |  |   |                                      | 20c                        | 10.8                                  | 162                          | 2.3                                  |   |     |      |      |     |
| 7250 0003425        |  |   |                                      | 25c                        | 12.2                                  | 199                          | 2.2                                  |   |     |      |      |     |
| 7250 0003440        |  |   |                                      | 40c                        | 15.3                                  | 313                          | 1.8                                  |   |     |      |      |     |
| 7250 0005002        |  |   |                                      | 0.5mm <sup>2</sup> /20AWG  | 21/0.18<br>(0.95mm)                   | 1.75                         | 2c                                   | 5.2   | 33  |      | 34.6 | 8.1 |
| 7250 0005003        |  |   |                                      |                            |                                       |                              | 3c                                   | 5.5   | 41  |      |      | 6.9 |
| 7250 0005004        |  |   |                                      |                            |                                       |                              | 4c                                   | 5.9   | 50  |      |      | 6.0 |
| 7250 0005005        |  |   |                                      |                            |                                       |                              | 5c                                   | 6.4   | 60  |      |      | 5.5 |
| 7250 0005006        |  |   |                                      |                            |                                       |                              | 6c                                   | 7.0   | 71  |      |      | 5.1 |
| 7250 0005007        |  |   |                                      |                            |                                       |                              | 7c                                   | 7.8   | 85  |      |      | 4.8 |
| 7250 0005008        |  |   |                                      |                            |                                       |                              | 8c                                   | 8.3   | 96  |      |      | 4.5 |
| 7250 0005010        | 10c  | 9.1   | 114                                  |                            |                                       |                              | 4.2                                  |   |     |      |      |     |
| 7250 0005012        | 12c  | 9.4   | 131                                  |                            |                                       |                              | 4.1                                  |   |     |      |      |     |
| 7250 0005016        | 16c  | 10.5  | 172                                  |                            |                                       |                              | 3.5                                  |   |     |      |      |     |
| 7250 0005020        | 20c  | 11.8  | 215                                  |                            |                                       |                              | 3.1                                  |   |     |      |      |     |
| 7250 0005025        | 25c  | 13.3  | 265                                  |                            |                                       |                              | 2.9                                  |   |     |      |      |     |
| 7250 0005040        | 40c  | 16.6  | 416                                  | 2.4                        |                                       |                              |                                      |   |     |      |      |     |
| 7250 0007502        | 0.75mm <sup>2</sup> /18AWG                               | 33/0.18<br>(1.2mm)                                      | 2.0                                  | 2c                         | 5.7                                   | 41                           | 21.8                                 | 10.1  |     |      |      |     |
| 7250 0007503        |  |   |                                      | 3c                         | 6.0                                   | 53                           |                                      | 8.6   |     |      |      |     |
| 7250 0007504        |  |   |                                      | 4c                         | 6.5                                   | 66                           |                                      | 7.6   |     |      |      |     |
| 7250 0015002        | 1.5mm <sup>2</sup> /16AWG                                | 56/0.18<br>(1.6mm)                                      | 2.6                                  | 2c                         | 6.9                                   | 61                           | 13.3                                 | 15.8  |     |      |      |     |
| 7250 0015003        |  |   |                                      | 3c                         | 7.5                                   | 84                           |                                      | 13.4  |     |      |      |     |
| 7250 0015004        |  |   |                                      | 4c                         | 8.2                                   | 106                          |                                      | 11.8  |     |      |      |     |

●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

| 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  |

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