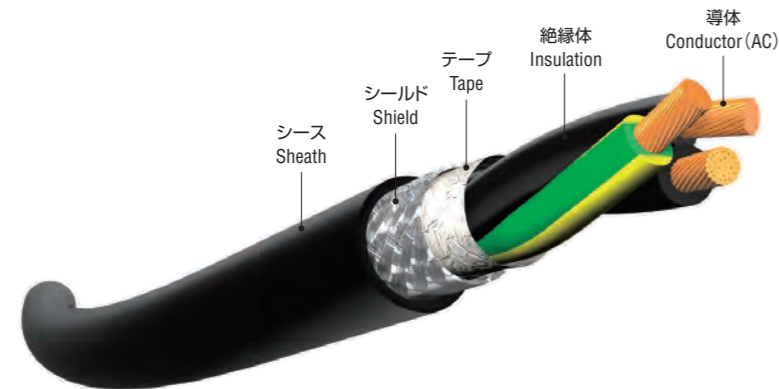


RO-FLEX 7700TS

Tray Cable NEC Article 340, Hard Service Cord and High Voltage Cables.
Especially Purpose For NFPA 79 & NFPA 70.

北米市場/North American Market EMC対策/To keep the EMC



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

例/Reference RO-FLEX 7700TS 12AWG×3c

| ケーブル特性 ^{*1} Characteristics of cable | 耐熱性 Heat resistance | 耐寒性 Cold resistance | 耐油性 Oil resistance | 難燃性 Flame retardant | 耐屈曲性 Flexing | 耐ノイズ性 Noise resistance | 配線 Wiring | RoHS指令 10物質 RoHS Directive 10 substances | アウトガス対応 Outgas |
|--|------------------------|------------------------|-----------------------|------------------------|-----------------|---------------------------|---|---|-------------------|
| | +105°C | -15°C | A | B | B | B | 電源線、機器内配線 及び外部連絡 Internal, External | 適合 Conformity | C |

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

用途 Application

1. 機器外部配線
2. 電源線(ケーブルトレイ配線用)
3. 耐ノイズ環境

1. External wiring
2. Power line for tray cable
3. Noise resistance

特長 Characteristics

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

RO-FLEX 7700TS series enable to simplify the design and efficient storage for the reduction of costs due to CE, IEC, NFPA, UL, c-UL and PSE approvals.
The product is in conformity to Directive 2014/35/EU("Low voltage directive").
*Conformity to RoHS directive 2011/65/EU"

■認証 APPROVAL

| 項目 Item | CE | (UL) | c(UL) | UL | c-UL | PSE | | | |
|-----------------------|--|---|----------|-----------------------------|--------------------|---------------------|--------------------|-----------------------|----------------------|
| 認証 Approval | 認証番号 Certificate number J 50209455:18AWG J 50328090:16~2AWG | E 194237 | E 209359 | E 207230 | E 194237 | E 207230 | E 194236 | E 194236 | JCT |
| | 適用規格 Standard EN 50525:18AWG IEC 60502-1:16~2AWG | UL 62 | UL 1063 | UL 1277 | CSA-C22.2 No.49 | CSA-C22.2 No.239 | UL 758 | CSA C22.2 No.210 | 電気用品安全法 Denan law |
| | ケーブルデザイン Cable designation A05V2V5-F:18AWG A1V2V5-F:16~2AWG | STO | MTW | TC-ER | STO | CIC | 2501 | AWM I/II Group A/B | (PS)E |
| 特性 Characteristics | 公称電圧(対地間/線間) Rated voltage 300/500V:18AWG 600/1000V:16~2AWG | 600V | | 600V | 600V | 600V | 600V | 600V | 600V |
| | 耐電圧 Test voltage | 3500V/5分 | | | | | | | |
| | 絶縁抵抗 Insulation resistance | 100MΩ·km (at20°C) | | | | | | | |
| | 使用温度 Temperature range | -15°C~90°C | 105°C | 90°Cdry 60°Cwet | 90°Cdry 75°Cwet | 105°C | 90°Cdry 75°Cwet | 105°C | 75°C |
| | 曲げ半径 Minimum bending for radius | 6D D=ケーブル外径/Overall diameter | | | | | | | |
| | 難燃性 Flame retardant | IEC 60332-3 EN 50265-2-1 (IEC 60332-1) | VW-1 | VW-1for CT use (UL 1685) | VW-1 | FT4 | VW-1 | FT1 | --- |
| 構造 Construction | 導体 Conductor | IEC 60228 Class 5 | | | | | | | |
| | 絶縁/高別 Insulation/Core identification | 耐熱PVC/黒/ナンバリング白+緑/黄 2cはアース線(緑/黄)無しです。 Heat resistant PVC/Black core with white numbering + G/Y The cable of 2c are excluding Green/Yellow. | | | | | | | |
| | シールド Shield | 編組シールド 18~10AWG:0.12TAC, 8~2AWG:0.21TAC Braid shield 18~10AWG:0.12TAC, 8~2AWG:0.21TAC | | | | | | | |
| | シース/シース色 Sheath/Sheath color | 耐油・耐熱PVC/黒 Oil and Heat resistant PVC/Black | | | | | | | |

認証
Approval

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

ケーブル構造 CABLE CONSTRUCTION

| 商品番号 Part number | 導体断面積 Nominal cross sectional area AWG | 導体構成/(外径) Conductor composition/ (diameter) mm | 絶縁外径 Diameter of insulation mm | 芯数 No. of cores 芯 | 仕上外径 Approx. Overall diameter mm | 概算質量 Approx. mass kg/km | 導体抵抗 Conductor resistance Ω/km | 許容電流 (IEC 60364-5-52) Current Carrying Capacities(At30°C) A |
|---------------------|--|---|--------------------------------------|-------------------------|--|-------------------------------|--------------------------------------|--|
| 7700 1007502 | 18 | 33/0.18 (1.1mm) | 2.8 | 2c | 9.4 | 108 | 21.8 | 16 |
| 7700 1007503 | | | | 3c | 10.0 | 132 | | 16 |
| 7700 1007504 | | | | 4c | 10.8 | 157 | | 12 |
| 7700 1007505 | | | | 5c | 12.4 | 204 | | 12 |
| 7700 1015002 | | | | 2c | 10.4 | 136 | | 13.7 |
| 7700 1015003 | 3c | 10.9 | 161 | 19 | | | | |
| 7700 1015004 | 4c | 11.9 | 198 | 15 | | | | |
| 7700 1015005 | 5c | 13.4 | 248 | 15 | | | | |
| 7700 1025002 | 2c | 13.4 | 225 | 8.62 | 26 | | | |
| 7700 1025003 | 3c | 14.1 | 267 | | 26 | | | |
| 7700 1025004 | 4c | 15.2 | 318 | | 20 | | | |
| 7700 1025005 | 5c | 17.2 | 393 | | 20 | | | |
| 7700 1040002 | 2c | 15.2 | 297 | | 5.24 | 36 | | |
| 7700 1040003 | 3c | 16.0 | 355 | 36 | | | | |
| 7700 1040004 | 4c | 17.2 | 425 | 28 | | | | |
| 7700 1040005 | 5c | 18.6 | 488 | 28 | | | | |
| 7700 1060002 | 2c | 16.6 | 367 | 3.37 | | 47 | | |
| 7700 1060003 | 3c | 17.5 | 447 | | 47 | | | |
| 7700 1060004 | 4c | 18.9 | 543 | | 37 | | | |
| 7700 1060005 | 5c | 20.5 | 626 | | 37 | | | |
| 7700 1100002 | 2c | 21.9 | 628 | | 2.144 | 64 | | |
| 7700 1100003 | 3c | 23.1 | 758 | 64 | | | | |
| 7700 1100004 | 4c | 25.8 | 967 | 51 | | | | |
| 7700 1100005 | 5c | 27.8 | 1141 | 51 | | | | |
| 7700 1160002 | 2c | 25.3 | 861 | 1.348 | | 85 | | |
| 7700 1160003 | 3c | 26.6 | 1047 | | 85 | | | |
| 7700 1160004 | 4c | 28.8 | 1276 | | 68 | | | |
| 7700 1160005 | 5c | 31.7 | 1549 | | 68 | | | |
| 7700 1250002 | 2c | 28.5 | 1139 | | 0.8481 | 115 | | |
| 7700 1250003 | 3c | 30.1 | 1418 | 115 | | | | |
| 7700 1250004 | 4c | 33.5 | 1809 | 92 | | | | |
| 7700 1250005 | 5c | 36.2 | 2152 | 92 | | | | |
| 7700 1350002 | 2c | 32.7 | 1560 | 0.5335 | | 152 | | |
| 7700 1350003 | 3c | 35.1 | 2009 | | 152 | | | |
| 7700 1350004 | 4c | 38.8 | 2552 | | 121 | | | |

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

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

■温度減少係数 Temperature Correction Factor

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

●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.