

CE/UL2517

Rating 300V/105°C

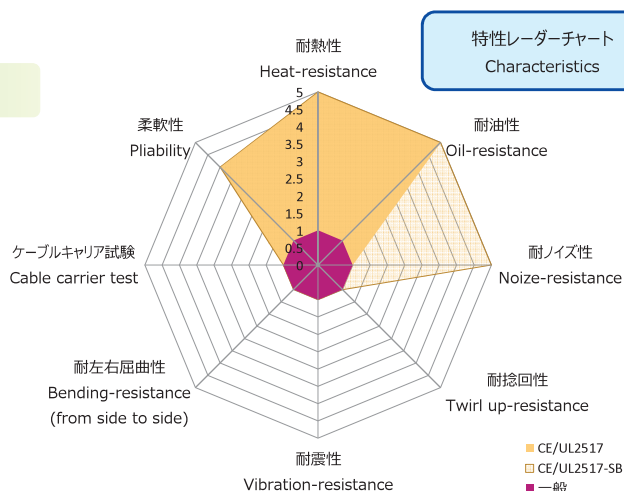
Compliance
with RoHS

Multiconductor cable for wiring to the fixed part

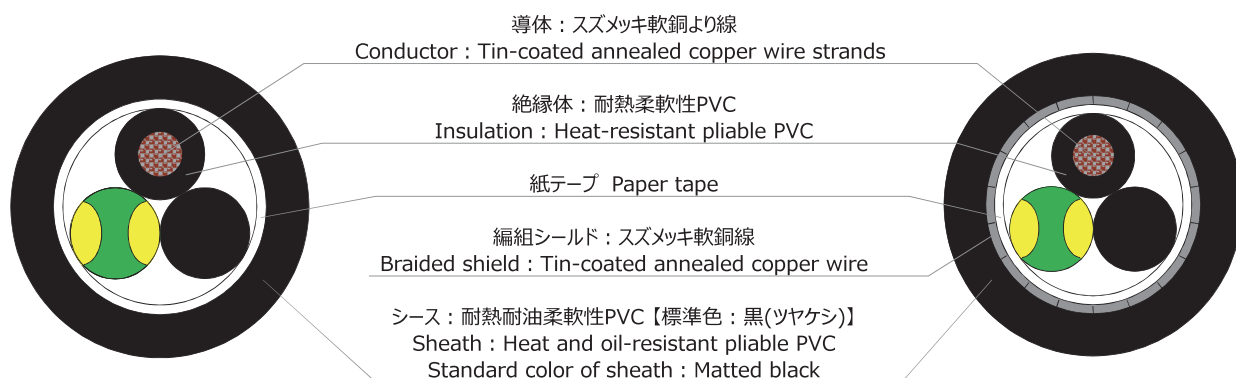
◆特長および用途 Features and Use◆

- UL・c-UL規格、CEマーキング対応の多心ケーブルです
Multiconductor cable that is conformed to UL・c-UL Standard, and CE Marking
- RoHS及びREACH に対応しています。
Compliance with RoHS and REACH
- 主に機器内および機器間配線用ケーブルとしてお使いいただけます。
Mainly adaptable to internal wiring of electric equipment or inter-device wiring
- 柔軟性・耐油性に優れています。
Excels in pliability and oil-resistance
- EMI対策として、編組シールドを施したタイプも取り扱っています。【CE/UL2517-SB】
Braided shield type for EMI measure is also handling 【CE/UL2517-SB】

◆認証 Certification◆



◆構造 Construction◆

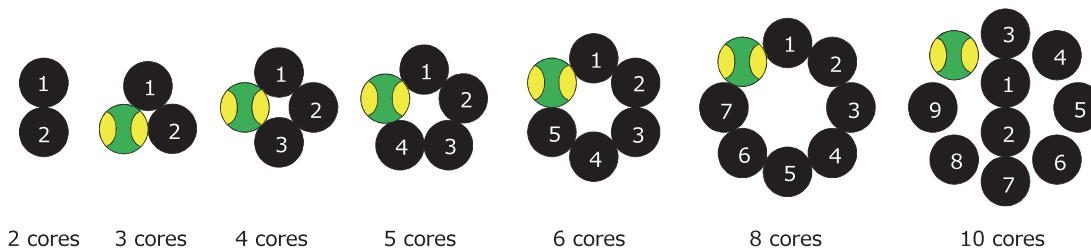


- ★ 仕様につきましては、別途仕様概要一覧を掲載しておりますが、詳細につきましては、仕様書をご要求ください。
Abridged general specs list is on another page.
If you want to know about details, please request for the specification.
- ★ 上記は3心の場合の配列例です。その他の主な配列例は、次頁「線心配列の例」に掲載しています。
The figure above is an example of the case of the number of cores is three.
Others are on next page "Example of array of cores".
- ★ ①は、緑色絶縁体上の黄色両面埋込ラインマークを示します。
① It shows a green insulation which is extruded the yellow line in the both side.

◆技術データ Technical Data◆

| 認証/Certification | UL・c-UL | CE |
|------------------------|----------------|------------|
| スタイル・タイプ/Style・Type | AWM Style 2517 | H05VV5-F |
| 定格電圧/Rated voltage | 300V | 300V/500V |
| 定格温度/Rated temperature | 105°C | 70°C |
| 難燃性/Flame resistance | VW-1・FT1 | IEC60332-1 |

◆線心配列の例 Example of array of cores◆



- ★ 線心は、黒色絶縁体上の白色ナンバリング表示により識別します。
The identifying way of each core is by the white numbering on the black insulations.
- ★ 配列図中の数字は、線No.を示します。
Each No. in the above figure shows the core's No.
- ★ は、緑色絶縁体上の黄色両面埋込ラインマークを示します。
 ...It shows a green insulation which is extruded the yellow line in the both side.

◆表面表示の例 Example of marking on surface◆

Ⓒ UL2517/* *AWG Ⓜ AWM STYLE 2517 E44256 VW-1 105C 300V ⓧ HANSHIN
Ⓜ AWM I/II A/B 105C 300V FT1

【* *には、導体サイズが表示されます。】

1061

1095

1007

1015

1283

20276

2464

2517

2501

600V

300V

30V

105°C

80°C

UL
AWM

MTW

TC

STO

c-UL

CSA

CE

PSE

◆仕様概要一覧【シールド無しタイプ】 table : Abridged general specs【Non shielded type】◆

| 線心数 Number of cores | 導体/Conductor | | | 絶縁体/Insulation | | シース/Sheath | | 電気特性/Electrical characteristics | | | | 概算質量 Approximate weight kg/km | | | | | | | | |
|------------------------|-------------------|----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|---|---|------------------------------------|---|-------------------------------------|------|-----|-----|------|----|------|----|-----|
| | サイズ Size | 構成 Construction 本/mm | 外径 Outside diameter mm | 標準厚さ Thickness mm | 外径 Outside diameter mm | 標準厚さ Thickness mm | 外径 Outside diameter mm | 導体抵抗 Conductor resistance (20℃) Ω/km | 絶縁抵抗 Insulation resistance (20℃) MΩ·km | 耐電圧 Withstand voltage V/5min | 許容電流 Allowable current (30℃) A | | | | | | | | | |
| 2 | 20AWG (0.53mm) | 21/0.18 | 0.95 | 0.6 | 2.15 | 1.0 | 6.4 | 36.2 | 50 | 2000 | 10.4 | 46 | | | | | | | | |
| 3 | | | | | | 1.0 | 6.7 | | | | 8.7 | 56 | | | | | | | | |
| 4 | | | | | | 1.0 | 7.3 | | | | 8.0 | 67 | | | | | | | | |
| 5 | | | | | | 1.0 | 7.9 | | | | 7.4 | 80 | | | | | | | | |
| 6 | | | | | | 1.0 | 8.6 | | | | 7.1 | 94 | | | | | | | | |
| 8 | | | | | | 1.0 | 9.9 | | | | 6.6 | 118 | | | | | | | | |
| 10 | | | | | | 1.1 | 10.9 | | | | 6.1 | 142 | | | | | | | | |
| 12 | | | | | | 1.1 | 11.2 | | | | 5.7 | 161 | | | | | | | | |
| 16 | | | | | | 1.2 | 12.6 | | | | 5.2 | 209 | | | | | | | | |
| 20 | | | | | | 1.3 | 14.1 | | | | 4.9 | 258 | | | | | | | | |
| 24 | | | | | | 1.4 | 15.8 | | | | 4.6 | 313 | | | | | | | | |
| 30 | | | | | | 1.5 | 16.9 | | | | 4.2 | 381 | | | | | | | | |
| 40 | 1.7 | 19.9 | 3.9 | 511 | | | | | | | | | | | | | | | | |
| 2 | 18AWG (0.87mm) | 34/0.18 | 1.21 | 0.6 | 2.41 | 1.0 | 6.9 | 22.8 | 50 | 2000 | 13.7 | 57 | | | | | | | | |
| 3 | | | | | | 1.0 | 7.3 | | | | 11.6 | 70 | | | | | | | | |
| 4 | | | | | | 1.0 | 7.9 | | | | 10.5 | 84 | | | | | | | | |
| 5 | | | | | | 1.0 | 8.6 | | | | 9.8 | 102 | | | | | | | | |
| 6 | | | | | | 1.0 | 9.3 | | | | 9.3 | 120 | | | | | | | | |
| 8 | | | | | | 1.1 | 11.0 | | | | 8.7 | 163 | | | | | | | | |
| 10 | | | | | | 1.2 | 12.1 | | | | 8.1 | 195 | | | | | | | | |
| 12 | | | | | | 1.2 | 12.5 | | | | 7.5 | 222 | | | | | | | | |
| 16 | | | | | | 1.3 | 14.0 | | | | 6.8 | 282 | | | | | | | | |
| 20 | | | | | | 1.4 | 15.7 | | | | 6.4 | 353 | | | | | | | | |
| 24 | | | | | | 1.6 | 17.8 | | | | 6.1 | 437 | | | | | | | | |
| 30 | | | | | | 1.7 | 19.0 | | | | 5.6 | 523 | | | | | | | | |
| 2 | 16AWG (1.35mm) | 53/0.18 | 1.51 | 0.7 | 2.91 | 1.0 | 7.9 | 14.0 | 50 | 2000 | 18.8 | 76 | | | | | | | | |
| 3 | | | | | | 1.0 | 8.4 | | | | 16.0 | 96 | | | | | | | | |
| 4 | | | | | | 1.0 | 9.1 | | | | 14.4 | 118 | | | | | | | | |
| 5 | | | | | | 1.0 | 10.0 | | | | 13.5 | 144 | | | | | | | | |
| 6 | | | | | | 1.1 | 11.0 | | | | 12.8 | 172 | | | | | | | | |
| 8 | | | | | | 1.3 | 13.2 | | | | 11.9 | 239 | | | | | | | | |
| 10 | | | | | | 1.3 | 14.3 | | | | 11.0 | 280 | | | | | | | | |
| 12 | | | | | | 1.4 | 15.0 | | | | 10.3 | 326 | | | | | | | | |
| 16 | | | | | | 1.5 | 16.8 | | | | 9.3 | 425 | | | | | | | | |
| 20 | | | | | | 1.7 | 18.9 | | | | 8.7 | 526 | | | | | | | | |
| 2 | | | | | | 14AWG (2.18mm) | 41/0.26 | | | | 1.92 | 0.8 | 3.52 | 1.0 | 9.1 | 8.82 | 50 | 2000 | 25 | 106 |
| 3 | | | | | | | | | | | | | | 1.0 | 9.7 | | | | 22 | 136 |
| 4 | 1.1 | 10.8 | 20 | 174 | | | | | | | | | | | | | | | | |
| 5 | 1.2 | 12.0 | 18.2 | 218 | | | | | | | | | | | | | | | | |
| 6 | 1.3 | 13.3 | 17.3 | 260 | | | | | | | | | | | | | | | | |
| 8 | 1.4 | 15.6 | 16.0 | 352 | | | | | | | | | | | | | | | | |
| 10 | 1.5 | 17.2 | 14.9 | 422 | | | | | | | | | | | | | | | | |
| 12 | 1.6 | 17.9 | 13.8 | 491 | | | | | | | | | | | | | | | | |
| 16 | 1.7 | 20.0 | 12.5 | 639 | | | | | | | | | | | | | | | | |

- ★許容電流値は、周囲温度30℃の値となります。御使用状況に応じて、102ページ記載の「減少係数」を乗じる必要があります。
Allowable current is the value in case that the ambient temperature is 30℃.
You must multiply it and a reduction factor together depending on the usage. (refer to table "Reduction factor")
- ★在庫製品の中には、識別が異なる製品もございます。在庫製品の識別につきましては、営業担当者までお問い合わせください。
There are stocks that are differed from the standard discrimination.
Please inquire the discrimination of stock from sales representatives.
- ★シースの標準色は黒色（艶消し）となります。他色をご希望の際には、お近くの営業所へご相談ください。
The standard color of the sheath is matted black.
If you would like other colors, please contact your local sales office.
- ★仕様の詳細につきましては、仕様書をご要求ください。
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1061
1095
1007
1015
1283
20276
2464
2517
2501
600V
300V
30V
105°C
80°C
UL
AWM
MTW
TC
STO
c-UL
CSA
CE
PSE

◆仕様概要一覧【シールドタイプ】 table : Abridged general specs【Shielded type】◆

| 線心数 Number of cores | 導体/Conductor | | | 絶縁体/Insulation | | シース/Sheath | | 電気特性/Electrical characteristics | | | | 概算質量 Approximate weight kg/km |
|------------------------|-------------------|----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|--|--|------------------------------------|--|-------------------------------------|
| | サイズ Size | 構成 Construction 本/mm | 外径 Outside diameter mm | 標準厚さ Thickness mm | 外径 Outside diameter mm | 標準厚さ Thickness mm | 外径 Outside diameter mm | 導体抵抗 Conductor resistance (20°C) Ω/km | 絶縁抵抗 Insulation resistance (20°C) MΩ·km | 耐電圧 Withstand voltage V/5min | 許容電流 Allowable current (30°C) A | |
| 2 | 20AWG (0.53mm) | 21/0.18 | 0.95 | 0.6 | 2.15 | 1.0 | 7.0 | 36.2 | 50 | 2000 | 10.4 | 64 |
| 3 | | | | | | 1.0 | 7.3 | | | | 8.7 | 77 |
| 4 | | | | | | 1.0 | 7.9 | | | | 8.0 | 88 |
| 5 | | | | | | 1.0 | 8.5 | | | | 7.4 | 104 |
| 6 | | | | | | 1.0 | 9.2 | | | | 7.1 | 121 |
| 8 | | | | | | 1.1 | 10.8 | | | | 6.6 | 159 |
| 10 | | | | | | 1.2 | 11.8 | | | | 6.1 | 183 |
| 12 | | | | | | 1.2 | 12.1 | | | | 5.7 | 207 |
| 16 | | | | | | 1.3 | 13.6 | | | | 5.2 | 268 |
| 20 | | | | | | 1.4 | 15.1 | | | | 4.9 | 323 |
| 24 | | | | | | 1.5 | 16.8 | | | | 4.6 | 385 |
| 30 | | | | | | 1.6 | 17.9 | | | | 4.2 | 454 |
| 40 | | | | | | 1.8 | 20.9 | | | | 3.9 | 596 |
| 2 | 18AWG (0.87mm) | 34/0.18 | 1.21 | 0.6 | 2.41 | 1.0 | 7.5 | 22.8 | 50 | 2000 | 13.7 | 78 |
| 3 | | | | | | 1.0 | 7.9 | | | | 11.6 | 91 |
| 4 | | | | | | 1.0 | 8.5 | | | | 10.5 | 108 |
| 5 | | | | | | 1.0 | 9.2 | | | | 9.8 | 129 |
| 6 | | | | | | 1.0 | 10.0 | | | | 9.3 | 153 |
| 8 | | | | | | 1.2 | 11.9 | | | | 8.7 | 209 |
| 10 | | | | | | 1.2 | 12.8 | | | | 8.1 | 237 |
| 12 | | | | | | 1.3 | 13.5 | | | | 7.5 | 281 |
| 16 | | | | | | 1.4 | 15.0 | | | | 6.8 | 347 |
| 20 | | | | | | 1.5 | 16.7 | | | | 6.4 | 425 |
| 24 | | | | | | 1.6 | 18.6 | | | | 6.1 | 508 |
| 30 | | | | | | 1.7 | 19.8 | | | | 5.6 | 596 |
| 2 | | | | | | 16AWG (1.35mm) | 53/0.18 | | | | 1.51 | 0.7 |
| 3 | 1.0 | 9.0 | 16.0 | 120 | | | | | | | | |
| 4 | 1.0 | 9.8 | 14.4 | 150 | | | | | | | | |
| 5 | 1.1 | 10.9 | 13.5 | 185 | | | | | | | | |
| 6 | 1.2 | 11.9 | 12.8 | 218 | | | | | | | | |
| 8 | 1.3 | 14.0 | 11.9 | 293 | | | | | | | | |
| 10 | 1.4 | 15.3 | 11.0 | 345 | | | | | | | | |
| 12 | 1.5 | 16.0 | 10.3 | 392 | | | | | | | | |
| 16 | 1.6 | 17.8 | 9.3 | 497 | | | | | | | | |
| 20 | 1.7 | 19.7 | 8.7 | 599 | | | | | | | | |
| 2 | 14AWG (2.18mm) | 41/0.26 | 1.92 | 0.8 | 3.52 | 1.0 | 9.8 | 8.82 | 50 | 2000 | 25 | 138 |
| 3 | | | | | | 1.1 | 10.6 | | | | 22 | 177 |
| 4 | | | | | | 1.1 | 11.5 | | | | 20 | 211 |
| 5 | | | | | | 1.2 | 12.7 | | | | 18.2 | 259 |
| 6 | | | | | | 1.3 | 14.1 | | | | 17.3 | 314 |
| 8 | | | | | | 1.5 | 16.6 | | | | 16.0 | 424 |
| 10 | | | | | | 1.6 | 18.2 | | | | 14.9 | 500 |
| 12 | | | | | | 1.6 | 18.7 | | | | 13.8 | 562 |
| 16 | 1.8 | 21.0 | 12.5 | 724 | | | | | | | | |

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