

WIRES and CABLES for AUTOMOBILES
Convolute Tube

自動車用電線 コルゲートチューブ カタログ

ワイヤーハーネスの中心となる自動車用電線

地球環境への調和を目指した製品づくりに向けて住友電装は全力を挙げ技術開発を進めています。
ご提供致します住友電装の自動車用電線はすべて鉛フリーです。
また、ELV指令に適合しております。

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◎定格電圧：交流30V 直流60V
◎Rated voltage: 30V AC, 60V DC

| 分類 Category | 品 種 Wire and cable Type | 概 要 Outline | 耐熱区分 Heat-resistance class | 登録サイズ Size lineup | 掲載ページ Page |
|------------------------------------|----------------------------|--|----------------------------------|--|---------------------|
| 一般電線 General Wires | DIVUS (CIVUS) | 導体に圧縮導体を使用した細径、軽量電線 (ISO6722準拠電線) Light weight wires which use the compacted strands (conform to ISO6722) | CLASS A (-40~85°C) | 0.35 0.50 0.75 1.00 1.25 | 5/6 |
| | AVSS | AVの極薄肉タイプ Super-thin insulated type of AV. | 80°C ※1 | 0.3 0.5 0.85 1.25 2(f) | 7/8 |
| | AVSSC (f-type) | AVSSのフレキシブルタイプ Flexible type of AVSS | | 0.3f 0.5f 0.75f 1.25f | 9/10 |
| | AVSSB (f-type) | AVSSのフレキシブルタイプ Flexible type of AVSS. | | 0.3f 0.5f 0.75f 1.25f | 11/12 |
| | TVSS | AVSSのすずめっき導体タイプ AVSS with tinned conductor | | 0.3 | 13/14 |
| | TVSSC | TVSSのフレキシブルタイプ Flexible type of TVSS. | | 0.3f 0.5f | 15/16 |
| | AVS | AVの薄肉タイプ Thin insulated type of AV. | | 0.3f 0.3 0.5 0.85 1.25 2 3 5 | 17/18 |
| | CPAVS (f-type) | AVSのフレキシブルタイプ Flexible type of AVS | | 0.5f 0.75f 1.25f 2f | 19/20 |
| | AV | 自動車用電線基本形 Basic type of automobile wire. | | 0.5 0.85 1.25 2 3 5 8 10 15 20 30 40 0.5f 0.75f 1.25f 2f 3f | 21/22 23/24 |
| | CAVUS | 導体に圧縮導体を使用した細径、軽量電線 Light weight wires which use the compacted strands | | 0.22 0.3 0.5 0.85 1.25 | 25/26 |
| | EB | バッテリー用低圧回路の電線 (接地 (一側) 専用) Wires for earth bonds are for minus battery circuits. | | 5 9 15 20 30 40 50 60 | 27/28 |
| | HDEB | EBの厚肉型で機械的強度を向上 Thicker insulated type of EB for increasing mechanical strength | | 9 15 20 30 40 | 29/30 |
| 耐熱電線 Heat resistant Wires | IVSSH | 極薄肉タイプの非架橋耐熱PVC絶縁電線 (ISO6722準拠電線) Heat-resistant wire with non-cross-linked super-thin PVC insulation (conform to ISO6722) | | CLASS B (-40~100°C) | 0.35f 0.5f 0.75f |
| | AVSSH | 極薄肉タイプの非架橋耐熱PVC絶縁電線 Heat-resistant wire with non-cross-linked super-thin PVC insulation | 100°C ※1 | 0.3f 0.5f 0.75f 1.25f | 33/34 |
| | TVSSH | AVSSHのすずめっき導体タイプ AVSSH with tinned conductor | | 0.5f | 35/36 |
| | AVSSX | AVXの極薄肉タイプ Super-thin insulated type of AVX | | 0.5f 0.75f 1.25f 2f | 37/38 |
| | TVSSX | AVSSXのすずめっき導体タイプ AVSSX with tinned conductor | | 0.35f 0.5f 0.75f 1.25f 2f | 39/40 |
| | AVX | 架橋PVC絶縁の耐熱電線 Heat-resistant wire with cross-linked PVC insulation | | 0.5f 0.75f 1.25f 2 3 | 41/42 |
| | AVXTA | AVXのすずめっき導体タイプ AVX with tinned conductor | | 0.5f 0.75f 1.25f 3 | 43/44 |
| | SF-VX | 耐屈曲細径耐熱電線 (弊社オリジナル電線) Flexible thin heat-resistant wire (SWS original) | | 0.15f | 45/46 |

Automobile wires and cables are the core of wiring harnesses.

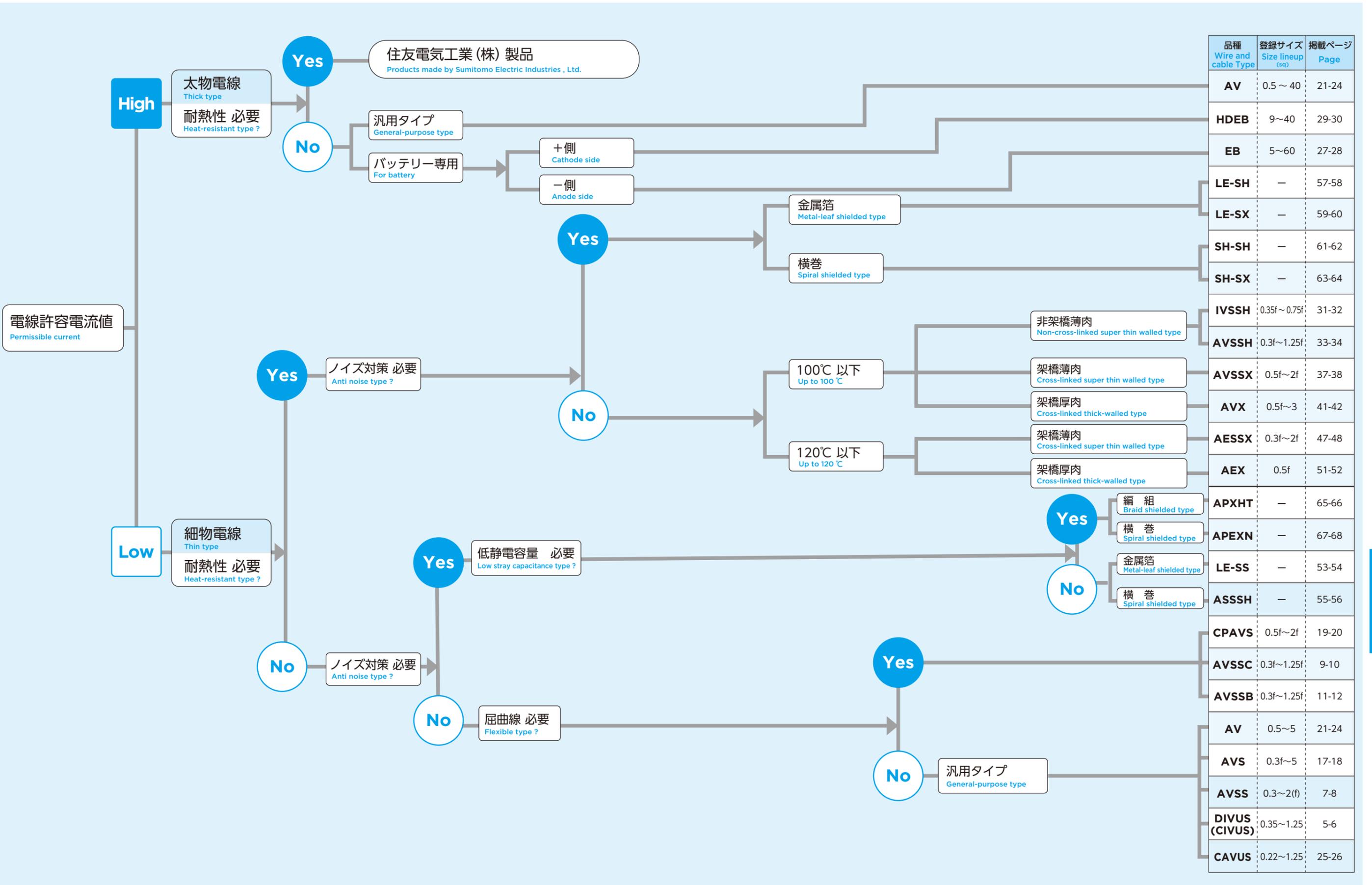
Sumitomo Wiring Systems Ltd. (SWS) is devoting itself to the development of technology for creating products in harmony with the global environment.
All automobile wires and cables provided from us are lead-free and meet ELV regulations.

| 分類 Category | 品 種 Wire and cable Type | 概 要 Outline | 耐熱区分(※1) Heat-resistance class(※1) | 登録サイズ Size lineup | 掲載ページ Page | |
|------------------------------------|---------------------------------------|---|--|--|-----------------|-------|
| 耐熱電線 Heat resistant Wires | AESSX | AEXの極薄肉タイプ Super-thin insulated type of AEX | 120°C ※1 | 0.3f 0.5f 0.75f 1.25f 2f | 47/48 | |
| | TESSX | AESSXのすずめっき導体タイプ AESSX with tinned conductor | | 0.5f 2f | 49/50 | |
| | AEX | 架橋PE絶縁電線 Heat-resistant wire with cross-linked Polyethylene insulation | | 0.5f | 51/52 | |
| シールド 電線 Shielded Cables | LE-SS | AVSSをコアに用いた銅箔シールド線 Metal-leaf shielded cable containing the cores of AVSS | 80°C ※1 一般 General | 1C×0.3 1C×0.5 1C×1.25 2C×0.3 2C×0.5 2C×0.85 2C×1.25 3C×0.3 3C×0.5 3C×2 4C×0.3 4C×0.5 5C×0.3 5C×0.5 6C×0.3 6C×0.5 7C×0.3 8C×0.3 | 53/54 | |
| | ASSSH | AVSSをコアに用いた横巻きシールド線 Spiral shielded cable containing the cores of AVSS | | 1C×0.3 1C×0.5 1C×1.25 2C×0.3 2C×0.5 2C×0.85 2C×1.25 2C×2.0 3C×0.3 3C×0.5 3C×1.25 4C×0.3 4C×0.5 5C×0.3 5C×0.5 6C×0.3 6C×0.5 8C×0.3 8C×0.5 | 55/56 | |
| | LE-SH | AVSSHをコアに用いた銅箔シールド線 Metal-leaf shielded cable containing the cores of AVSSH | 100°C ※1 耐熱電線 Heat resistant Wires | 1C×0.5 2C×0.5 2C×0.75 2C×1.25 5C×1.25 6C×0.3 | 57/58 | |
| | LE-SX | AVSSXをコアに用いた銅箔シールド線 Metal-leaf shielded cable containing the cores of AVSSX | | 1C×0.5 2C×0.5 2C×2.0 3C×0.5 4C×0.5 6C×0.5 | 59/60 | |
| | SH-SH | AVSSHをコアに用いた横巻きシールド線 Spiral shielded cable containing the cores of AVSSH | | 1C×0.5 2C×0.5 3C×0.5 4C×0.5 | 61/62 | |
| | SH-SX | AVSSXをコアに用いた横巻きシールド線 Spiral shielded cable containing the cores of AVSSX | | 1C×0.5 | 63/64 | |
| | APXHT | 自動車用低浮遊容量絶縁シールド電線 (編組) Low capacitance insulating braid shielded cable for automobiles | | 1C×0.5 2C×0.35 2C×0.5 4C×0.35 | 65/66 | |
| | APEXN | 自動車用低浮遊容量絶縁シールド電線 (横巻) Low capacitance insulating spiral shielded cable for automobiles | | 1C×0.5 | 67/68 | |
| | チューブド ワイヤ電線 Tubed Wire | TDW | | 自動車用チューブドワイヤ電線 Tubed wire for automobiles | 80・ 100°C ※1 | 69/70 |
| | コルゲートチューブ Convuluted Tube | 自動車用コルゲートチューブ Convuluted Tube for automobiles | | — | 71/72 | |

※1. 耐熱区分は、累積通電時間10,000時間を目安とした場合の導体最高許容温度を表す。

※1. The heat resistance cable defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

| | | |
|---|--|-------|
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DIVUS (CIVUS) 自動車用圧縮導体超薄肉塩化ビニル絶縁低圧電線

Ultra-thin wall PVC insulated low-voltage wires for Automobiles

D(C) : 圧縮導体型 I : ISO規格 V : ビニル US : 超極薄肉型

D(C) : Compacted Strands I : ISO specification V : Vinyl insulated US : Ultra slim insulator

用途

自動車用（4輪、2輪）の低圧回路配線に使用します。

特長

DIVUS (CIVUS) は、圧縮導体により導体の細径化を図り、加えて絶縁体を AVSS よりさらに薄くしたタイプで、大幅に細径化が図られています。ワイヤーハーネスの軽量化・細径化に大きな効果が得られます。

ISO 6722に準拠した電線です。

耐熱クラスは Class A (-40~85℃) です。

弊社製 DIVUS は、一般名称の CIVUS になります。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

FEATURES

DIVUS (CIVUS) wires have thinner insulation than AVSS wires in addition to compacted conductor to succeed in reducing wire diameter, and produce great effects of making wire harnesses smaller and lighter. **Conformity to ISO6722. Heat resistant is Class A (-40~85°C). "DIVUS" that is manufactured by SWS is General symbol "CIVUS".**

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅円形圧縮導体) Conductor (Compact round stranded annealed copper conductor) | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|---|---------------------------|----------------------|-------------------------------|------------|-------------------------------------|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/ 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | | | | | |
| 0.35 | 7/円形圧縮 | 0.3436 | 0.7 | 0.2 | 1.1 | 1.2 | Class A(-40~85°C) | 54.4 | 4 | 把 Coil shape | 2,000 |
| 0.50 | 7/円形圧縮 | 0.4948 | 0.85 | 0.2 | 1.25 | 1.4 | Class A(-40~85°C) | 37.1 | 5 | 把 Coil shape | 1,500 |
| 0.75 | 11/円形圧縮 | 0.7266 | 1.0 | 0.2 | 1.4 | 1.6 | Class A(-40~85°C) | 24.7 | 8 | 把 Coil shape | 1,000 |
| 1.00 | 16/円形圧縮 | 0.9852 | 1.2 | 0.2 | 1.6 | 1.75 | Class A(-40~85°C) | 18.5 | 10 | 把 Coil shape | 800 |
| 1.25 | 16/円形圧縮 | 1.247 | 1.4 | 0.2 | 1.8 | 2.0 | Class A(-40~85°C) | 14.9 | 13 | 把 Coil shape | 800 |

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.35 | 9 | 8 | 7 | 6 | 5 | 3 |
| 0.50 | 12 | 11 | 9 | 8 | 7 | 4 |
| 0.75 | 15 | 14 | 12 | 11 | 9 | 6 |
| 1.00 | 19 | 17 | 15 | 13 | 11 | 7 |
| 1.25 | 22 | 20 | 18 | 15 | 12 | 9 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。

Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
Conductor size 0.35

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.5

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.75

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 1.00

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 1.25

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

※ 設定色については、2023年4月現在の情報を掲載させて頂いております。最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023. Please contact our sales department for the latest information.

AVSS 自動車用極薄肉塩化ビニル絶縁低圧銅電線 (薄肉2)

Very Thin PVC Insulated Low-voltage Copper Wires for Automobiles (Thin wall 2)

A : 自動車用低圧電線 V : ビニル SS : 極薄肉型

A : Low-voltage wires for automobiles V : Vinyl SS : Super thin type

用途

自動車用 (4輪、2輪) の低圧回路配線に使用します。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

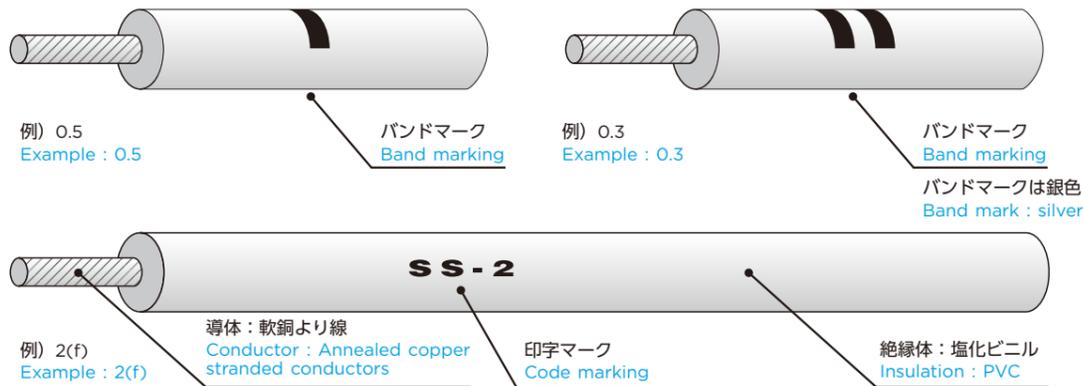
特長

AVSS は、AVS の絶縁体をさらに薄くした電線です。
JASO D625 準拠

FEATURES

AVSS wires have thinner insulation than AVS wires.
Conformity to JASO D625

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) *2 |
|-------------|---|--------------------------------|---------------------------|----------------------|-------------------------------|------------|---------------------------------|-----------------------|--|---|----------------------------|--------------------------------|-------------------------------|
| | 素線数 / 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | バンドマーク Band marking | 印字マーク Code marking | | | | | |
| 0.3 | 7/0.26 | 0.3716 | 0.8 | 0.3 | 1.4 | 1.5 | 2pcs.(本) | — | 80 | 50.2 | 5 | 把 Coil shape | 1,500 |
| 0.5 | 7/0.32 | 0.5629 | 1.0 | 0.3 | 1.6 | 1.7 | 1pc.(本) | — | 80 | 32.7 | 7 | 把 Coil shape | 1,000 |
| 0.85 | 19/0.24 | 0.8596 | 1.2 | 0.3 | 1.8 | 1.9 | 2pcs.(本) | — | 80 | 21.7 | 10 | 把 Coil shape | 1,000 |
| 1.25 | 19/0.29 | 1.255 | 1.5 | 0.3 | 2.1 | 2.2 | 1pc.(本) | — | 80 | 14.9 | 14 | 把 Coil shape | 800 |
| 2(f)*2 | 37/0.26 | 1.964 | 1.8 | 0.4 | 2.6 | 2.7 | — | SS-2 | 80 | 9.50 | 22 | 把 Coil shape | 500 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す

The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

*2 (f) は JASO D611 で規定の AVSS 2f に相当する導体構成である。

2 (f) is equivalent of the conductor construction of AVSS 2f which is conformed by JASO D611

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.3 | 10 | 9 | 8 | 7 | 6 | 4 |
| 0.50 | 14 | 12 | 11 | 10 | 8 | 5 |
| 0.85 | 18 | 16 | 14 | 12 | 10 | 7 |
| 1.25 | 23 | 21 | 19 | 16 | 13 | 9 |
| 2(f) | 31 | 29 | 26 | 22 | 18 | 13 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。

Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size 0.3

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.5

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.85

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 1.25

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 2(f)

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

AVSSC 自動車用極薄肉塩化ビニル絶縁低圧銅電線 (薄肉2)

Very Thin PVC Insulated Low-voltage Copper Wires for Automobiles (Thin wall 2)

A : 自動車用低圧電線 V : ビニル SS : 極薄肉型

A : Low-voltage wires for automobiles V : Vinyl SS : Super thin type

用途

自動車用 (4輪、2輪) の低圧回路配線に使用します。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

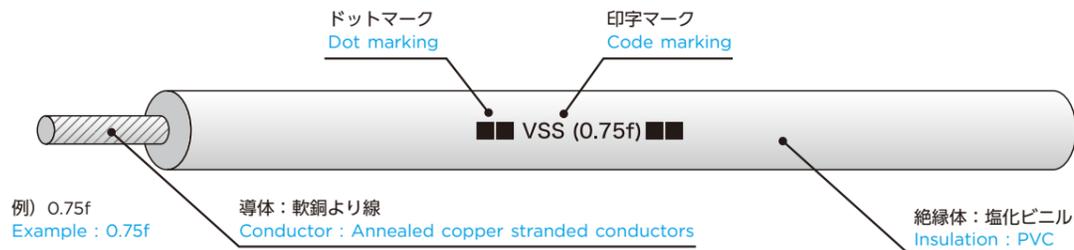
特長

AVSSCとは、AVSS(f)の住友名称です。
AVSSに比べて柔軟性に優れる電線です。

FEATURES

AVSSC wires is the name of AVSS (f) in SWS.
It is superior in flexibility

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 外径 Outer diameter (mm) | 絶縁体 Insulation 厚さ Thickness (mm) | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|---|-------------------------------|------------|---------------------------------|---------------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/ 素線径 (No./mm) | 計算断面積 Calculated area (mm²) | | | 標準 Standard | 最大 Max. | 印字マーク Code marking | ドット マーク Dot marking | | | | | |
| 0.3f | 19/0.16 | 0.3821 | 0.8 | 0.3 | 1.4 | 1.5 | VSS(0.3f) | 2pcs. | 80 | 48.8 | 5 | 把 Coil shape | 1,500 |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | VSS(0.5f) | 1pc. | 80 | 34.6 | 7 | 把 Coil shape | 1,000 |
| 0.75f | 19/0.23 | 0.7894 | 1.2 | 0.3 | 1.8 | 1.9 | VSS(0.75f) | 2pcs. | 80 | 23.6 | 10 | 把 Coil shape | 1,000 |
| 1.25f | 37/0.21 | 1.282 | 1.5 | 0.3 | 2.1 | 2.2 | VSS(1.25f) | 1pc. | 80 | 14.6 | 14 | 把 Coil shape | 800 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す

The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current[A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.3f | 10 | 10 | 8 | 7 | 6 | 4 |
| 0.5f | 13 | 12 | 11 | 9 | 7 | 5 |
| 0.75f | 17 | 16 | 14 | 12 | 10 | 7 |
| 1.25f | 23 | 21 | 19 | 16 | 13 | 9 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。

Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size 0.3f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.5f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.75f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 1.25f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

※ 設定色については、2023年4月現在の情報を掲載させて頂いております。

最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.

Please contact our sales department for the latest information.

AVSSB 自動車用極薄肉塩化ビニル絶縁低圧銅電線 (CPAVSの細径電線)

Very Thin PVC Insulated Low-voltage Copper Wires for Automobiles (Thinned CPAVS)

A : 自動車用低圧電線 V : ビニル SS : 極薄肉型

A : Low-voltage wires for automobiles V : Vinyl SS : Super thin type

用途

自動車用 (4輪、2輪) の低圧回路配線に使用します。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

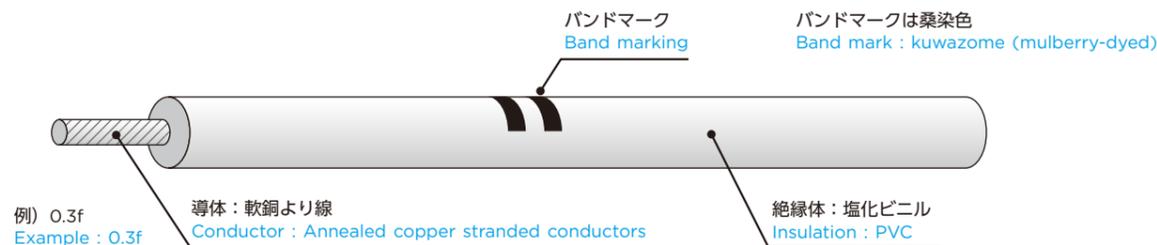
特長

AVSSBは、CPAVSの絶縁体を更に薄くした電線です。

FEATURES

AVSSB wires have thinner insulation than CPAVS wires.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|----------------------|-------------------------------|------------|---------------------------------|--|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/ 素線径 (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | バンドマーク Band marking | | | | | | |
| 0.3f | 15/0.18 | 0.3817 | 0.8 | 0.35 | 1.5 | 1.7 | 2pcs.(本) | | 80 | 48.9 | 6 | 把 Coil shape | 1,500 |
| 0.5f | 20/0.18 | 0.5087 | 1.0 | 0.35 | 1.7 | 1.8 | 1pc.(本) | | 80 | 36.7 | 8 | 把 Coil shape | 1,000 |
| 0.75f | 30/0.18 | 0.7630 | 1.2 | 0.35 | 1.9 | 2.0 | 2pcs.(本) | | 80 | 24.4 | 10 | 把 Coil shape | 1,000 |
| 1.25f | 50/0.18 | 1.273 | 1.5 | 0.4 | 2.3 | 2.4 | 1pc.(本) | | 80 | 14.7 | 16 | 把 Coil shape | 800 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current[A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.3f | 11 | 10 | 9 | 7 | 6 | 4 |
| 0.5f | 13 | 12 | 11 | 9 | 7 | 5 |
| 0.75f | 17 | 16 | 14 | 12 | 10 | 7 |
| 1.25f | 24 | 22 | 19 | 17 | 14 | 9 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size 0.3f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.5f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.75f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 1.25f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

※ 設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

TVSS 自動車用薄肉低圧電線 (すずめっき品)

Thin Low-voltage Wires for Automobiles (Tinned)

T : すずめっき導体 V : ビニル SS : 極薄肉型
 T : Tinned conductor V : Vinyl SS : Super thin type

用途

自動車用 (4輪、2輪) の低圧回路配線に使用します。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

特長

TVSSは、AVSSと同一構造で導体にすずめっきを施し、AVSSより、端子接続性に優れる電線。

FEATURES

TVSS wire has the same construction as AVSS wire, but is provided with tinned conductor to ensure better connectivity of terminals than AVSS wire.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (すずめっき軟銅より線) Conductor (Tinned annealed copper stranded conductors) | | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|----------------------|----------------|-------------------------------|----|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/ 素線径 (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | | | | | | |
| 0.3 | 7/0.26 | 0.3716 | 0.8 | 0.3 | 1.4 | 1.5 | 80 | 53.9 | 5 | 把 Coil shape | 1,500 | |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.3 | 10 | 9 | 8 | 7 | 6 | 4 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
 Conductor size 0.3

| Base color | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

※ 設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

T : すずめっき導体 V : ビニル SS : 極薄肉型
 T : Tinned conductor V : Vinyl SS : Super thin type

用途

自動車用 (4輪、2輪) の低圧回路配線に使用します。

特長

TVSSCは、AVSSCと同一構造で導体にすずめっきを施し、AVSSCに比べ端子接続信頼性に優れた電線。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

FEATURES

TVSSC wire has the same construction as AVSSC wire, but is provided with tinned conductor to ensure better connectivity for terminals than AVSSC wire.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (すずめっき軟銅より線) Conductor (Tinned annealed copper stranded conductors) | | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|---|---------------------------|----------------------|-----|-------------------------------|----|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 | 最大 | | | | | | |
| 0.3f | 19/0.16 | 0.3821 | 0.8 | 0.3 | 1.4 | 1.5 | 80 | 51.4 | 5 | 把 Coil shape | 1,500 | |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | 80 | 38.8 | 7 | 把 Coil shape | 1,000 | |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.3f | 10 | 9 | 8 | 7 | 6 | 4 |
| 0.5f | 13 | 11 | 10 | 9 | 7 | 5 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
Conductor size **0.3f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | | | | | | | | | | | | | | | | |
| | BG | | | | | | | | | | | | | | | | |
| | BR | | | | | | | | | | | | | | | | |
| | CH | | | | | | | | | | | | | | | | |
| | DG | | | | | | | | | | | | | | | | |
| | G | | | | | | | | | | | | | | | | |
| | GR | | | | | | | | | | | | | | | | |
| | L | | | | | | | | | | | | | | | | |
| | LG | | | | | | | | | | | | | | | | |
| | P | | | | | | | | | | | | | | | | |
| | PU | | | | | | | | | | | | | | | | |
| | R | | | | | | | | | | | | | | | | |
| | SB | | | | | | | | | | | | | | | | |
| | V | | | | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | | | | | |
| Y | | | | | | | | | | | | | | | | | |

導体サイズ
Conductor size **0.5f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | | | | | | | | | | | | | | | | |
| | BG | | | | | | | | | | | | | | | | |
| | BR | | | | | | | | | | | | | | | | |
| | CH | | | | | | | | | | | | | | | | |
| | DG | | | | | | | | | | | | | | | | |
| | G | | | | | | | | | | | | | | | | |
| | GR | | | | | | | | | | | | | | | | |
| | L | | | | | | | | | | | | | | | | |
| | LG | | | | | | | | | | | | | | | | |
| | P | | | | | | | | | | | | | | | | |
| | PU | | | | | | | | | | | | | | | | |
| | R | | | | | | | | | | | | | | | | |
| | SB | | | | | | | | | | | | | | | | |
| | V | | | | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | | | | | |
| Y | | | | | | | | | | | | | | | | | |

※ 設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

CPAVS 自動車用薄肉塩化ビニル絶縁低圧銅電線 (薄肉1)

Thin PVC Insulated Low-voltage Copper Wires for Automobiles (Thin wall 1)

A : 自動車用低圧電線 V : ビニル S : 薄肉型

A : Low-voltage wires for automobiles V : Vinyl S : Thin type

用途

自動車用 (4輪、2輪) の低圧回路配線に使用します。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

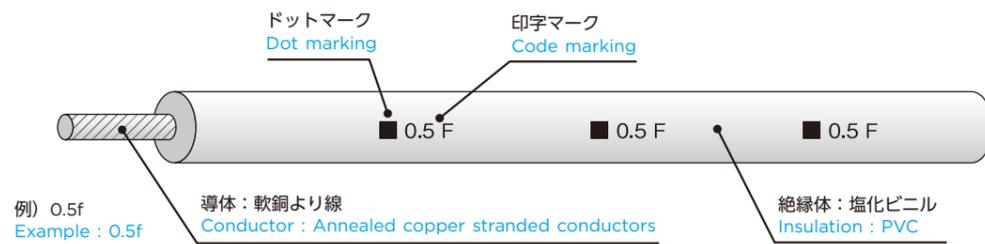
特長

CPAVS とは、AVS(f) の住友名称です。
AVS に比べ柔軟性に優れる電線です。
JASO D625 準拠

FEATURES

CPAVS is the name of AVS (f) in SWS.
It is superior in flexibility than AVS wires.
Conformity to JASO D625

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 外径 Outer diameter (mm) | 絶縁体 Insulation 厚さ Thickness (mm) | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|---|-------------------------------|------------|---------------------------------|-----------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数 / 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | | | 標準 Standard | 最大 Max. | 印字マーク Code marking | ドットマーク Dot marking | | | | | |
| 0.5f | 20/0.18 | 0.5087 | 1.0 | 0.5 | 2.0 | 2.1 | 0.5F | 1pc. | 80 | 36.7 | 8 | 把 Coil shape | 800 |
| 0.75f | 30/0.18 | 0.7630 | 1.2 | 0.5 | 2.2 | 2.3 | 0.75F | 1pc. | 80 | 24.4 | 11 | 把 Coil shape | 800 |
| 1.25f | 50/0.18 | 1.273 | 1.5 | 0.5 | 2.5 | 2.6 | 1.25F | 1pc. | 80 | 14.7 | 17 | 把 Coil shape | 600 |
| 2f | 37/0.26 | 1.964 | 1.8 | 0.5 | 2.8 | 2.9 | 2.0F | 1pc. | 80 | 9.50 | 24 | 把 Coil shape | 500 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す

The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.5f | 14 | 13 | 11 | 10 | 8 | 5 |
| 0.75f | 18 | 16 | 14 | 12 | 10 | 7 |
| 1.25f | 24 | 22 | 20 | 17 | 14 | 10 |
| 2f | 32 | 29 | 26 | 23 | 18 | 13 |

* 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。

Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
Conductor size 0.5f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.75f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 1.25f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 2f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

* 設定色については、2023年4月現在の情報を掲載させて頂いております。

最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.

Please contact our sales department for the latest information.

C : 圧縮導体型 A : 自動車用低圧電線 V : ビニル US : 超極薄肉型
 C : Compacted Strands A : Low-voltage wires for automobiles V : Vinyl US : Ultra super thin type

用途

自動車用 (4輪、2輪) の低圧回路配線に使用します。

APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles).

特長

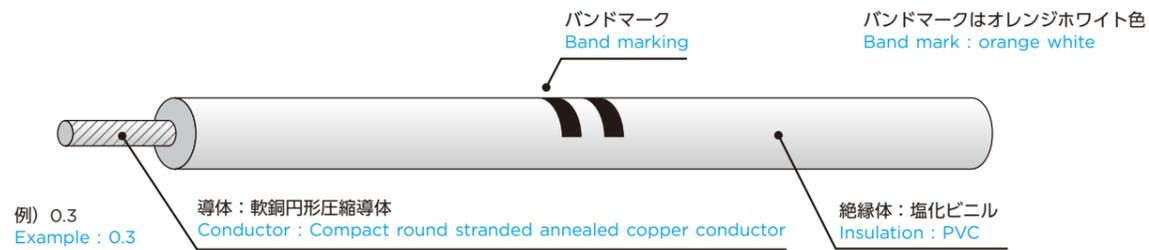
CAVUS は、圧縮導体により導体の細径化を図り、加えて絶縁体を AVSS よりさらに薄くしたタイプで、大幅に細径化が図られています。ワイヤーハーネスの軽量化・細径化に大きな効果が得られます。

JASO D611 準拠

FEATURES

CAVUS wires have thinner insulation than AVSS wires in addition to compacted conductor to succeed in reducing wire diameter, and produce great effects of making wire harnesses smaller and lighter. **Conformity to JASO D611**

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅円形圧縮導体) Conductor (Compact round stranded annealed copper conductor) | | 絶縁体 Insulation | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|---|-------------------|-------------------------------|----------------------|---------------------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | | | | | | |
| 0.22 | 7/円形圧縮 | 0.2199 | 0.55 | 0.2 | 0.95 | 1.05 | - | 84.4 | 3 | ドラム Drums | 6,000 |
| 0.3 | 7/円形圧縮 | 0.3716 | 0.7 | 0.2 | 1.1 | 1.2 | 2pcs.(本) | 50.2 | 4 | 把 Coil shape | 2,000 |
| 0.5 | 7/円形圧縮 | 0.5629 | 0.9 | 0.2 | 1.3 | 1.4 | 1pc.(本) | 32.7 | 6 | 把 Coil shape | 1,500 |
| 0.85 | 11/円形圧縮 | 0.8846 | 1.1 | 0.2 | 1.5 | 1.6 | 2pcs.(本) | 20.8 | 9 | 把 Coil shape | 1,100 |
| 1.25 | 16/円形圧縮 | 1.287 | 1.4 | 0.2 | 1.8 | 1.9 | 1pc.(本) | 14.3 | 13 | 把 Coil shape | 800 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 0.22 | 7 | 6 | 5 | 5 | 4 | 2 |
| 0.3 | 9 | 8 | 8 | 6 | 5 | 4 |
| 0.50 | 13 | 11 | 10 | 9 | 7 | 5 |
| 0.85 | 17 | 15 | 14 | 12 | 10 | 7 |
| 1.25 | 22 | 20 | 18 | 16 | 13 | 9 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size 0.22

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.3

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.5

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.85

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 1.25

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

※ 設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。
 Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

HD : 厚肉型 EB : アースボンド

HD : Heavy Duty E : Grounding B : Bond

用途

自動車用 (4輪、2輪) のバッテリー用低圧回路配線に使用します。

特長

HDEB は EB の厚肉型で機械的強度を向上させています。

JASO D625 準拠

APPLICATION

Wires used in low voltage circuits for battery for automobiles (vehicles and motorcycles).

FEATURES

HDEB wires are thick-walled (heavy-duty) wires with increased mechanical strength. **Conformity to JASO D625**

構造及び性能 CONSTRUCTION AND PERFORMANCE



例) 9 Example : 9
 導体 : 軟銅より線 Conductor : Annealed copper stranded conductors
 印字マーク Code marking
 絶縁体 : 塩化ビニル Insulation : PVC

| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|---|---------------------------|----------------------|----------------|-------------------------------|------------|---------------------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | | | | | | | |
| 9 | 7/16/0.32 | 9.008 | 4.2 | 1.0 | 6.2 | 6.5 | 9(×5pcs.) | 80 | 2.09 | 109 | ドラム Drums | 2,000 | |
| 15 | 19/9/0.32 | 13.75 | 5.3 | 1.1 | 7.5 | 8.0 | 15(×3pcs.) | 80 | 1.37 | 161 | ドラム Drums | 1,400 | |
| 20 | 19/13/0.32 | 19.86 | 6.5 | 1.1 | 8.7 | 9.3 | 20(×3pcs.) | 80 | 0.946 | 225 | ドラム Drums | 1,000 | |
| 30 | 19/19/0.32 | 29.02 | 7.8 | 1.4 | 10.6 | 11.3 | 30(×3pcs.) | 80 | 0.647 | 331 | ドラム Drums | 700 | |
| 40 | 19/26/0.32 | 39.72 | 9.1 | 1.4 | 11.9 | 12.6 | 40(×3pcs.) | 80 | 0.473 | 442 | ドラム Drums | 500 | |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | |
|-------------|----------------------------------|-----|-----|-----|-----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 |
| 9 | 89 | 81 | 72 | 63 | 51 | 36 |
| 15 | 116 | 106 | 94 | 82 | 67 | 47 |
| 20 | 146 | 133 | 119 | 103 | 84 | 59 |
| 30 | 184 | 168 | 150 | 130 | 106 | 75 |
| 40 | 222 | 202 | 181 | 157 | 128 | 90 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | KH |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|-----------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow | dark gray |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 | 濃灰 |

導体サイズ 9
Conductor size 9

| Base color | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|----|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | KH |
| B | ● | | | | | | | | | | | ● | | | | | |
| BG | | ● | | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | | |
| P | | | | | | | | | | ● | | | | | | | |
| PU | | | | | | | | | | | ● | | | | | | |
| R | | | | | | | | | | | | ● | | | | | |
| SB | | | | | | | | | | | | | ● | | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |
| KH | | | | | | | | | | | | | | | | | ● |

導体サイズ 15
Conductor size 15

| Base color | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|----|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | KH |
| B | ● | | | | | | | | | | | ● | | | | | |
| BG | | ● | | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | | |
| P | | | | | | | | | | ● | | | | | | | |
| PU | | | | | | | | | | | ● | | | | | | |
| R | | | | | | | | | | | | ● | | | | | |
| SB | | | | | | | | | | | | | ● | | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |
| KH | | | | | | | | | | | | | | | | | ● |

導体サイズ 20
Conductor size 20

| Base color | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|----|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | KH |
| B | ● | | | | | | | | | | | ● | | | | | |
| BG | | ● | | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | | |
| P | | | | | | | | | | ● | | | | | | | |
| PU | | | | | | | | | | | ● | | | | | | |
| R | | | | | | | | | | | | ● | | | | | |
| SB | | | | | | | | | | | | | ● | | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |
| KH | | | | | | | | | | | | | | | | | ● |

導体サイズ 30
Conductor size 30

| Base color | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|----|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | KH |
| B | ● | | | | | | | | | | | ● | | | | | |
| BG | | ● | | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | | |
| P | | | | | | | | | | ● | | | | | | | |
| PU | | | | | | | | | | | ● | | | | | | |
| R | | | | | | | | | | | | ● | | | | | |
| SB | | | | | | | | | | | | | ● | | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |
| KH | | | | | | | | | | | | | | | | | ● |

導体サイズ 40
Conductor size 40

| Base color | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|----|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | KH |
| B | ● | | | | | | | | | | | ● | | | | | |
| BG | | ● | | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | | |
| P | | | | | | | | | | ● | | | | | | | |
| PU | | | | | | | | | | | ● | | | | | | |
| R | | | | | | | | | | | | ● | | | | | |
| SB | | | | | | | | | | | | | ● | | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |
| KH | | | | | | | | | | | | | | | | | ● |

※ 設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。
 Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

I : ISO規格 V : ビニル SS : 極薄肉 H : 非架橋耐熱

I : ISO specification V : Vinyl SS : Super thin type H : Non-cross-linked heat-resistant

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（100℃）が要求される部位に使用します。

APPLICATION

Wire used in low voltage circuits requiring heat resistance (100 °C) such as automobiles (Vehicles and motorcycles).

特長

IVSSHは、非架橋耐熱電線でISO6722に準拠した電線です。
耐熱クラスはClass B (-40~100℃) です。

FEATURES

IVSSH is non cross-linking heat resistant wires conform to ISO6722.
Heat resistant is Class B (-40~100 °C).

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 絶縁体 Insulation | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) | 最大導体抵抗 MAX.Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|-------------------|-------------------------------|----------------------|-------------------------------------|--|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | | | | | |
| 0.35f | 19/0.155 | 0.3585 | 0.80 | 0.25 | 1.3 1.4 | ClassB (-40~100°C) | 54.4 | 5 | 把 Coil shape | 1,500 |
| 0.5f | 19/0.185 | 0.5107 | 0.95 | 0.28 | 1.51 1.7 | ClassB (-40~100°C) | 37.1 | 7 | 把 Coil shape | 1,000 |
| 0.75f | 19/0.225 | 0.7555 | 1.15 | 0.30 | 1.75 1.9 | ClassB (-40~100°C) | 24.7 | 9 | 把 Coil shape | 1,000 |

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.35f | 11 | 10 | 9 | 8 | 8 | 6 | 5 | 4 |
| 0.5f | 14 | 13 | 12 | 11 | 10 | 8 | 7 | 5 |
| 0.75f | 18 | 17 | 16 | 15 | 13 | 11 | 9 | 6 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size 0.35f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | | |

導体サイズ
Conductor size 0.5f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | | |

導体サイズ
Conductor size 0.75f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | | |

※設定色については、2023年4月現在の情報を掲載させて頂いております。

最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.

Please contact our sales department for the latest information.

AVSSH 自動車用極薄肉塩化ビニル絶縁耐熱低圧銅電線

Very Thin PVC Insulated Heat-resistant Low-voltage Copper Wires for Automobiles

A : 自動車用低圧電線 V : ビニル SS : 極薄肉型 H : 非架橋耐熱
 A : Low-voltage wires for automobiles V : Vinyl SS : Super thin type H : Non-cross-linked heat-resistant

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（100℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (100 °C) such as automobiles (Vehicles and motorcycles).

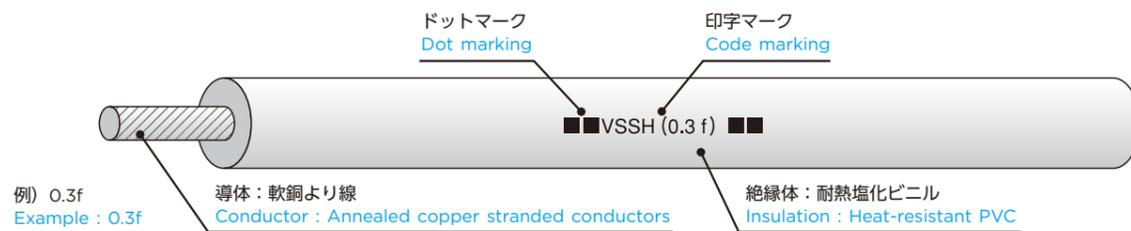
特長

AVSSHは、非架橋耐熱電線でAVSSXと同じ耐熱性（100℃）を実現した電線です。
JASO D625 準拠

FEATURES

AVSSH is non cross-linking heat resistance wires which have heat resistance (100 °C) as same as AVSSX
Conformity to JASO D625

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|----------------------|-------------------------------|------------|---------------------------------|---------------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数 / 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | 印字 マーク Code marking | ドット マーク Dot marking | | | | | |
| 0.3f | 19/0.16 | 0.3820 | 0.8 | 0.3 | 1.4 | 1.5 | 0.3f | 2pcs. | 100 | 48.8 | 5 | 把 Coil shape | 1,500 |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | 0.5f | 1pc. | 100 | 34.6 | 7 | 把 Coil shape | 1,000 |
| 0.75f | 19/0.23 | 0.7894 | 1.2 | 0.3 | 1.8 | 1.9 | 0.75f | 2pcs. | 100 | 23.6 | 10 | 把 Coil shape | 1,000 |
| 1.25f | 37/0.21 | 1.282 | 1.5 | 0.3 | 2.1 | 2.2 | 1.25f | 1pc. | 100 | 14.6 | 14 | 把 Coil shape | 800 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.3f | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 4 |
| 0.5f | 15 | 14 | 13 | 12 | 10 | 9 | 7 | 5 |
| 0.75f | 19 | 18 | 17 | 15 | 13 | 12 | 9 | 6 |
| 1.25f | 26 | 24 | 23 | 21 | 18 | 16 | 13 | 9 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ 0.3f Conductor size 0.3f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ 0.5f Conductor size 0.5f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ 0.75f Conductor size 0.75f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ 1.25f Conductor size 1.25f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

TVSSH 自動車用極薄肉形塩化ビニル絶縁耐熱低圧電線

T : すずめっき導体 V : ビニル SS : 極薄肉型 H : 非架橋耐熱

T : Tinned conductor V : Vinyl SS : Super thin type H : Non-cross-linked heat-resistant

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（100℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (100 °C) such as automobiles (Vehicles and motorcycles).

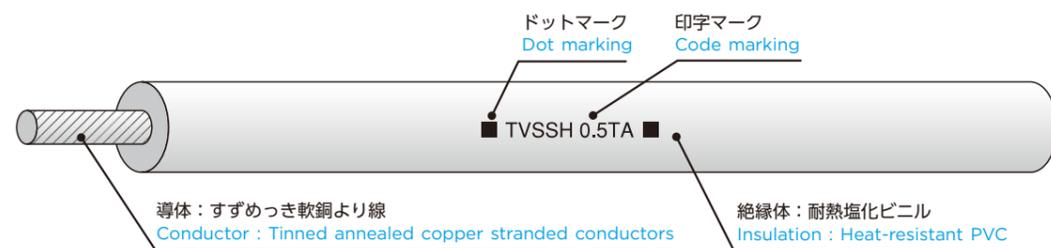
特長

TVSSHは、AVSSHと同一構造で導体にすずめっきを施し、AVSSHに比べ端子接続信頼性に優れる電線。

FEATURES

TVSSH wire has the same construction as AVSSH wire, but is provided with tinned conductor to ensure better connectivity for terminals than AVSSH wire.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (すずめっき軟銅より線) Conductor (Tinned annealed copper stranded conductors) | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|----------------------|-------------------------------|------------|---------------------------------|---------------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | 印字 マーク Code marking | ドット マーク Dot marking | | | | | |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | 0.5TA | 1pc. | 100 | 38.8 | 7 | 把 Coil shape | 1,000 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す

The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.5f | 14 | 13 | 12 | 11 | 10 | 8 | 7 | 5 |

* 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。

Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

Very Thin PVC Insulated Heat-resistant Low-voltage Wires for Automobiles

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
Conductor size **0.5f**

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

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最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

AVSSX 自動車用極薄肉架橋塩化ビニル絶縁耐熱低圧銅電線

Very Thin Cross-linked PVC Insulated Heat-resistant Low-voltage Copper Wires for Automobiles

A : 自動車用低圧電線 V : ビニル SS : 極薄肉型 X : 架橋
 A : Low-voltage wires for automobiles V : Vinyl SS : Super thin type X : Cross-linked

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（100℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (100 °C) such as automobiles (Vehicles and motorcycles).

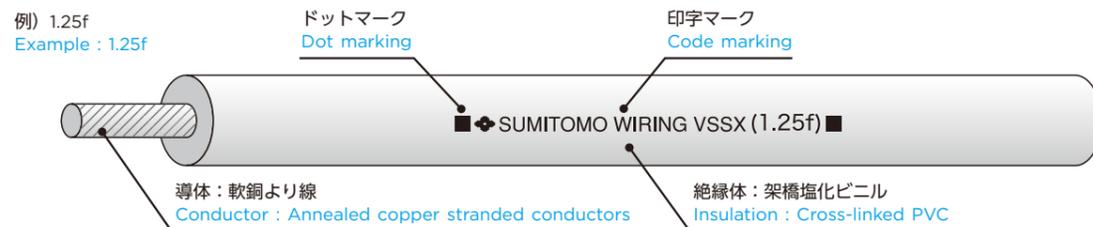
特長

AVSSXは、AVXの絶縁体を薄くした電線です。
JASO D625 準拠

FEATURES

AVSSX wires have thinner insulation than AVX wires.
Conformity to JASO D625

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 外径 Outer diameter (mm) | 絶縁体 Insulation 厚さ Thickness (mm) | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|---|-------------------------------|-----|---------------------------------|-----------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | | | 標準 | 最大 | 印字マーク Code marking | ドットマーク Dot marking | | | | | |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | 0.5f | 1pc. | 100 | 34.6 | 7 | 把 Coil shape | 1,000 |
| 0.75f | 19/0.23 | 0.7894 | 1.2 | 0.3 | 1.8 | 1.9 | 0.75f | 2pcs. | 100 | 23.6 | 10 | 把 Coil shape | 1,000 |
| 1.25f | 37/0.21 | 1.282 | 1.5 | 0.3 | 2.1 | 2.2 | 1.25f | 1pc. | 100 | 14.6 | 14 | 把 Coil shape | 800 |
| 2f | 37/0.26 | 1.964 | 1.8 | 0.4 | 2.6 | 2.7 | 2f | 2pcs. | 100 | 9.50 | 22 | 把 Coil shape | 500 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.5f | 15 | 14 | 13 | 12 | 10 | 9 | 7 | 5 |
| 0.75f | 19 | 18 | 17 | 15 | 13 | 12 | 9 | 6 |
| 1.25f | 26 | 24 | 23 | 21 | 18 | 16 | 13 | 9 |
| 2f | 35 | 33 | 30 | 28 | 25 | 21 | 17 | 12 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size **0.5f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size **0.75f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size **1.25f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size **2f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

※設定色については、2023年4月現在の情報を掲載させて頂いております。

最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.

Please contact our sales department for the latest information.

TVSSX 自動車用極薄肉形架橋塩化ビニル絶縁耐熱低圧電線

Very Thin Cross-linked PVC Insulated Heat-resistant Low-voltage Wires for Automobiles

T : すずめつき導体 V : ビニル SS : 極薄肉型 X : 架橋

T : Tinned conductor V : Vinyl SS : Super thin type X : Cross-linked

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（100℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (100 °C) such as automobiles (Vehicles and motorcycles).

特長

TVSSXは、AVSSXと同一構造で導体にすずめつきを施し、AVSSXに比べ端子接続信頼性に優れる電線です。

JASO D608 準拠

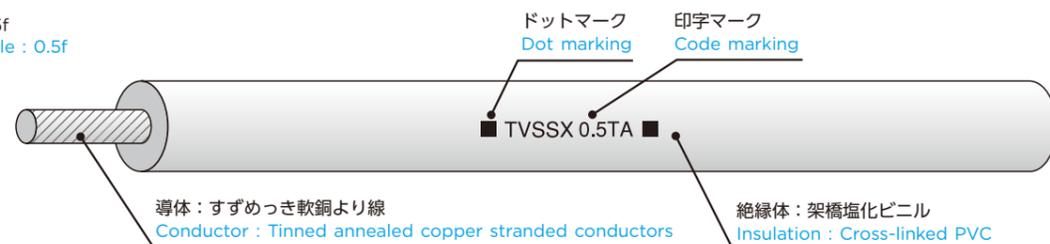
FEATURES

TVSSX wires have the same construction as AVSSX wires, but are provided with tinned conductors to ensure better connectivity for terminals than AVSSX wires.
Conformity to JASO D608

構造及び性能 CONSTRUCTION AND PERFORMANCE

例) 0.5f

Example : 0.5f



| サイズ Size | 導体 (すずめつき軟銅より線) Conductor (Tinned annealed copper stranded conductors) | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|----------------------|-------------------------------|------------|---------------------------------|---------------------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | 印字 マーク Code marking | ドット マーク Dot marking | | | | | |
| 0.35f | 19/0.155 | 0.3585 | 0.8 | 0.3 | 1.4 | 1.5 | - | - | 100 | 54.9 | 5 | 把 Coil shape | 1,500 |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | 0.5TA | 1 pc. | 100 | 38.8 | 7 | 把 Coil shape | 1,000 |
| 0.75f | 19/0.23 | 0.7894 | 1.2 | 0.3 | 1.8 | 1.9 | - | - | 100 | 25.8 | 10 | 把 Coil shape | 1,000 |
| 1.25f | 37/0.21 | 1.282 | 1.5 | 0.3 | 2.1 | 2.2 | - | - | 100 | 15.5 | 14 | 把 Coil shape | 800 |
| 2f | 37/0.26 | 1.964 | 1.8 | 0.4 | 2.6 | 2.7 | - | - | 100 | 10.0 | 22 | 把 Coil shape | 500 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す

The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.35f | 11 | 10 | 10 | 9 | 8 | 7 | 5 | 4 |
| 0.5f | 14 | 13 | 12 | 11 | 10 | 8 | 7 | 5 |
| 0.75f | 18 | 17 | 16 | 14 | 13 | 11 | 9 | 6 |
| 1.25f | 25 | 24 | 22 | 20 | 18 | 15 | 12 | 9 |
| 2f | 34 | 32 | 30 | 27 | 24 | 21 | 17 | 12 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。

Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
Conductor size 0.35f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.5f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.75f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 1.25f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 2f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.

Please contact our sales department for the latest information.

A : 自動車用低圧電線 V : ビニル X : 架橋

A : Low-voltage wires for automobiles V : Vinyl X : Cross-linked

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（100℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (100 °C) such as automobiles (Vehicles and motorcycles).

特長

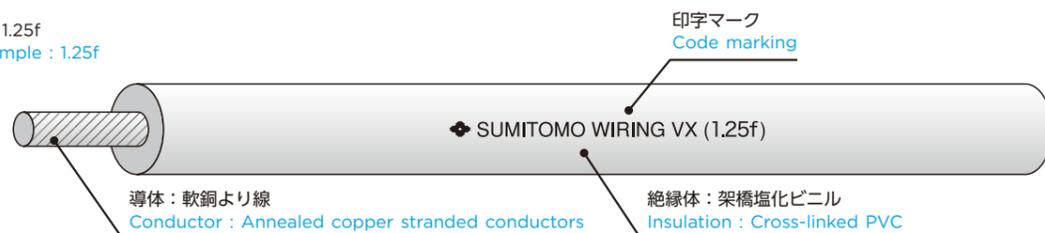
AVXは、AVよりも耐熱性を向上させた電線です。
JASO D625 準拠

FEATURES

AVX wire have higher heat resistance characteristic than AV.
Conformity to JASO D625

構造及び性能 CONSTRUCTION AND PERFORMANCE

例) 1.25f
Example : 1.25f



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 絶縁体 Insulation | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) | |
|-------------|---|---|-------------------|-------------------------------|----------------------|---------------------------------|--|---|----------------------------|--------------------------------|----------------------------|----------------|
| | 素線数 / 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | | | | | | | 標準 Standard |
| 0.5f | 20/0.18 | 0.5087 | 1.0 | 0.5 | 2.0 | 2.2 | 0.5f | 100 | 36.7 | 8 | 把 Coil shape | 1,000 |
| 0.75f | 30/0.18 | 0.7630 | 1.2 | 0.5 | 2.2 | 2.4 | 0.75f | 100 | 24.4 | 11 | 把 Coil shape | 500 |
| 1.25f | 50/0.18 | 1.273 | 1.5 | 0.6 | 2.7 | 2.9 | 1.25f | 100 | 14.7 | 17 | 把 Coil shape | 500 |
| 2 | 26/0.32 | 2.091 | 1.9 | 0.6 | 3.1 | 3.4 | 2 | 100 | 8.81 | 25 | 把 Coil shape | 300 |
| 3 | 41/0.32 | 3.297 | 2.4 | 0.7 | 3.8 | 4.1 | 3 | 100 | 5.59 | 39 | 把 Coil shape | 200 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.5f | 16 | 15 | 13 | 12 | 11 | 9 | 8 | 5 |
| 0.75f | 20 | 19 | 17 | 16 | 14 | 12 | 10 | 7 |
| 1.25f | 28 | 26 | 24 | 22 | 20 | 17 | 14 | 10 |
| 2 | 38 | 36 | 33 | 30 | 27 | 23 | 19 | 13 |
| 3 | 52 | 49 | 45 | 41 | 37 | 32 | 26 | 18 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
Conductor size 0.5f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.75f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 1.25f

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 2

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 3

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

AVXTA 自動車用架橋ビニル絶縁耐熱低圧電線

Cross-linked Vinyl Insulated Heat-resistant Low-voltage Wires for Automobiles

A : 自動車用低圧電線 V : ビニル X : 架橋 TA : すずめつき導体

A : Low-voltage wires for automobiles V : Vinyl X : Cross-linked TA : Tinned conductor

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（100℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (100 °C) such as automobiles (Vehicles and motorcycles).

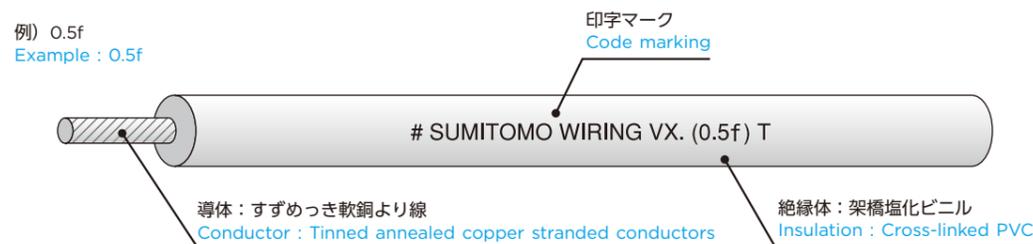
特長

AVXTAは、AVXと同一構造で導体にすずめつきを施し、AVXより、端子接続信頼性に優れる電線です。
JASO D608 準拠

FEATURES

AVXTA wires have the same construction as AVX wires, but is provided with tinned conductors to ensure better connectivity for terminals than AVX wires.
Conformity to JASO D608

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (すずめつき軟銅より線) Conductor (Tinned annealed copper stranded conductors) | | 絶縁体 Insulation | 仕上外径 Overall diameter (mm) | | 表示マーク Identification marking | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|-------------------|-------------------------------|----------------------|---------------------------------|------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | | | | | |
| 0.5f | 20/0.18 | 0.5087 | 1.0 | 0.5 | 2.0 | 2.2 | 0.5f | 100 | 38.6 | 8 | 把 Coil shape | 1,000 |
| 0.75f | 30/0.18 | 0.7630 | 1.2 | 0.5 | 2.2 | 2.4 | 0.75f | 100 | 25.8 | 11 | 把 Coil shape | 500 |
| 1.25f | 50/0.18 | 1.273 | 1.5 | 0.6 | 2.7 | 2.9 | 1.25f | 100 | 15.5 | 17 | 把 Coil shape | 500 |
| 3 | 41/0.32 | 3.297 | 2.4 | 0.7 | 3.8 | 4.1 | 3 | 100 | 5.9 | 39 | 把 Coil shape | 200 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.5f | 15 | 14 | 13 | 12 | 11 | 9 | 7 | 5 |
| 0.75f | 19 | 18 | 17 | 15 | 14 | 12 | 10 | 7 |
| 1.25f | 27 | 25 | 24 | 21 | 19 | 17 | 13 | 9 |
| 3 | 51 | 47 | 44 | 40 | 36 | 31 | 25 | 18 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size 0.5f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| V | | | | | | | | | | | | | | ● | | | | |
| W | | | | | | | | | | | | | | | ● | | | |
| Y | | | | | | | | | | | | | | | | ● | | |

導体サイズ
Conductor size 0.75f

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | |
| | R | | | | | | | | | | | | ● | | | | |
| | SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 1.25f

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | |
| | R | | | | | | | | | | | | ● | | | | |
| | SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 3

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | |
| | R | | | | | | | | | | | | ● | | | | |
| | SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | | |
| W | | | | | | | | | | | | | | | ● | | |
| Y | | | | | | | | | | | | | | | | ● | |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
最新の情報については弊社営業担当までお問い合わせ下さい。
Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

Heat resistant Wires
耐熱電線

S : 超 F : 柔軟 V : ビニル X : 架橋
 S : Super F : Flexible V : Vinyl X : Cross-linked

用途

自動車用 (4輪、2輪) の低圧回路配線で、細径化・耐熱性・耐屈曲性が要求される部位に使用します。

特長

SF-VX は、AVSSX より屈曲性に優れる電線です。

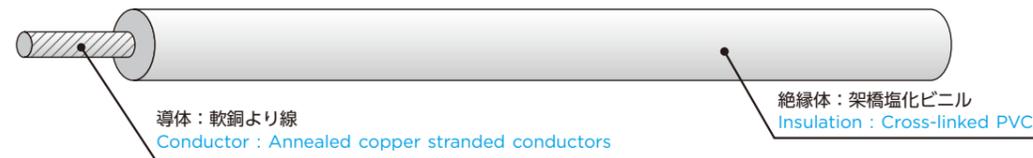
APPLICATION

Wires used in low voltage circuits for automobiles (vehicles and motorcycles) requiring thinner, heat-resistant, and flexible wires.

FEATURES

SF-VX wires have superior bending characteristic than AVSSX wires.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | | 絶縁体 Insulation 厚さ Thickness (mm) | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|---|---------------------------------|--|----------------------------------|------------|--|---|----------------------------------|--------------------------------------|----------------------------------|
| | 素線数 / 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | 外径 Outer diameter (mm) | | 標準 Standard | 最大 Max. | | | | | |
| | | | | | | | | | | | |
| 0.15f | 30/0.08 | 0.1507 | 0.5 | 0.27 | 1.04 | 1.11 | 100 | 123 | 2 | ドラム Drums | 2,000 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 0.15f | 6 | 6 | 5 | 5 | 4 | 4 | 3 | 2 |

* 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size **0.15f**

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。
 Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

AESSX 自動車用極薄肉架橋ポリエチレン絶縁耐熱低圧銅電線

Very Thin Cross-linked Polyethylene Insulated Heat-resistant Low-voltage Copper Wires for Automobiles

A : 自動車用低圧電線 E : ポリエチレン SS : 極薄肉型 X : 架橋

A : Low-voltage wires for automobiles E : Polyethylene SS : Super thin type X : Cross-linked

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（120℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (120 °C) such as automobiles (Vehicles and motorcycles).

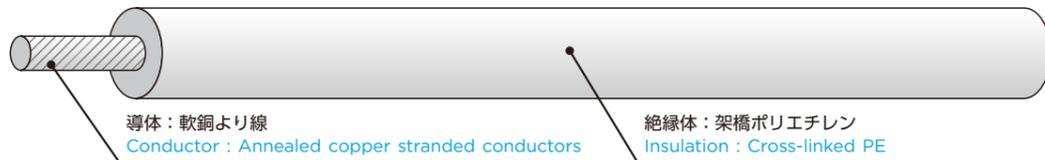
特長

AESSX は、AEX の絶縁体を薄くした電線です。
JASO D625 準拠

FEATURES

AESSX wires have thinner insulation than AEX wires.
Conformity to JASO D625

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (軟銅より線) Conductor (Annealed copper stranded conductors) | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|----------------------|-------------------------------|------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | | | | | |
| 0.3f | 19/0.16 | 0.3820 | 0.8 | 0.3 | 1.4 | 1.5 | 120 | 48.8 | 5 | 把 Coil shape | 1,500 |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | 120 | 34.6 | 7 | 把 Coil shape | 1,000 |
| 0.75f | 19/0.23 | 0.7894 | 1.2 | 0.3 | 1.8 | 1.9 | 120 | 23.6 | 10 | 把 Coil shape | 1,000 |
| 1.25f | 37/0.21 | 1.282 | 1.5 | 0.3 | 2.1 | 2.2 | 120 | 14.6 | 14 | 把 Coil shape | 800 |
| 2f | 37/0.26 | 1.964 | 1.8 | 0.4 | 2.6 | 2.7 | 120 | 9.50 | 22 | 把 Coil shape | 500 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|-----|-----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 0.3f | 13 | 12 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 4 |
| 0.5f | 16 | 16 | 15 | 14 | 13 | 11 | 10 | 9 | 7 | 5 |
| 0.75f | 21 | 20 | 19 | 17 | 16 | 15 | 13 | 11 | 9 | 6 |
| 1.25f | 29 | 27 | 26 | 24 | 22 | 20 | 18 | 15 | 13 | 9 |
| 2f | 39 | 37 | 34 | 32 | 30 | 27 | 24 | 21 | 17 | 12 |

* 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|-------|-------|-------|------------|------------|-------|------|------|-------------|------|--------------|-----|----------|--------|-------|--------|
| black | beige | brown | dark brown | dark green | green | gray | blue | light green | pink | light violet | red | sky blue | violet | white | yellow |
| 黒 | ベージュ | 茶 | こげ茶 | 濃緑 | 緑 | 灰 | 青 | 若葉 | 桃 | 薄紫 | 赤 | 空 | 紫 | 白 | 黄 |

導体サイズ
Conductor size 0.3f

| | | Stripe ストライプ | | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|--|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y | |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | | |
| | R | | | | | | | | | | | | ● | | | | | |
| | SB | | | | | | | | | | | | | ● | | | | |
| | V | | | | | | | | | | | | | | ● | | | |
| | W | | | | | | | | | | | | | | | ● | | |
| | Y | | | | | | | | | | | | | | | | ● | |

導体サイズ
Conductor size 0.5f

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | |
| | R | | | | | | | | | | | | ● | | | | |
| | SB | | | | | | | | | | | | | ● | | | |
| | V | | | | | | | | | | | | | | ● | | |
| | W | | | | | | | | | | | | | | | ● | |
| | Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 0.75f

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | |
| | R | | | | | | | | | | | | ● | | | | |
| | SB | | | | | | | | | | | | | ● | | | |
| | V | | | | | | | | | | | | | | ● | | |
| | W | | | | | | | | | | | | | | | ● | |
| | Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 1.25f

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | |
| | R | | | | | | | | | | | | ● | | | | |
| | SB | | | | | | | | | | | | | ● | | | |
| | V | | | | | | | | | | | | | | ● | | |
| | W | | | | | | | | | | | | | | | ● | |
| | Y | | | | | | | | | | | | | | | | ● |

導体サイズ
Conductor size 2f

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | ● | | | | | | | | | | | | | | | |
| | BG | | ● | | | | | | | | | | | | | | |
| | BR | | | ● | | | | | | | | | | | | | |
| | CH | | | | ● | | | | | | | | | | | | |
| | DG | | | | | ● | | | | | | | | | | | |
| | G | | | | | | ● | | | | | | | | | | |
| | GR | | | | | | | ● | | | | | | | | | |
| | L | | | | | | | | ● | | | | | | | | |
| | LG | | | | | | | | | ● | | | | | | | |
| | P | | | | | | | | | | ● | | | | | | |
| | PU | | | | | | | | | | | ● | | | | | |
| | R | | | | | | | | | | | | ● | | | | |
| | SB | | | | | | | | | | | | | ● | | | |
| | V | | | | | | | | | | | | | | ● | | |
| | W | | | | | | | | | | | | | | | ● | |
| | Y | | | | | | | | | | | | | | | | ● |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

TESSX 自動車用極薄肉形架橋ポリエチレン絶縁耐熱低圧電線

Very Thin Cross-linked Polyethylene Insulated Heat-resistant Low-voltage Wires for Automobiles

T : すずめつき導体 E : ポリエチレン SS : 極薄肉型 X : 架橋
 T : Tinned conductor E : Polyethylene SS : Super thin type X : Cross-linked

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（120℃）が要求される部位に使用します。

特長

TESSX は、AESSX と同一構造で導体にすずめつきを施し、AESSX に比べ端子接続信頼性に優れる電線です。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (120 °C) such as automobiles (Vehicles and motorcycles).

FEATURES

TESSX wires have the same construction as AESSX wires, but are provided with tinned conductors to ensure better connectivity for terminals than AESSX wires.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (すずめつき軟銅より線) Conductor (Tinned annealed copper stranded conductors) | | | 絶縁体 Insulation | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|--------------------------------|---------------------------|-------------------|-------------------------------|----------------|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm²) | 外径 Outer diameter (mm) | | 厚さ Thickness (mm) | 標準 Standard | | | | | |
| 0.5f | 19/0.19 | 0.5387 | 1.0 | 0.3 | 1.6 | 1.7 | 120 | 36.5 | 7 | 把 Coil shape | 1,000 |
| 2f | 37/0.26 | 1.964 | 1.8 | 0.4 | 2.6 | 2.7 | 120 | 10 | 22 | 把 Coil shape | 500 |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す
 The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|-----|-----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 0.5f | 15 | 15 | 14 | 13 | 12 | 11 | 10 | 8 | 7 | 5 |
| 2f | 38 | 36 | 34 | 31 | 29 | 26 | 24 | 20 | 17 | 12 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。
 Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size **0.5f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | | | | | | | | | | | | | | | | |
| | BG | | | | | | | | | | | | | | | | |
| | BR | | | | | | | | | | | | | | | | |
| | CH | | | | | | | | | | | | | | | | |
| | DG | | | | | | | | | | | | | | | | |
| | G | | | | | | | | | | | | | | | | |
| | GR | | | | | | | | | | | | | | | | |
| | L | | | | | | | | | | | | | | | | |
| | LG | | | | | | | | | | | | | | | | |
| | P | | | | | | | | | | | | | | | | |
| | PU | | | | | | | | | | | | | | | | |
| | R | | | | | | | | | | | | | | | | |
| | SB | | | | | | | | | | | | | | | | |
| V | | | | | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | | | | | |
| Y | | | | | | | | | | | | | | | | | |

導体サイズ
Conductor size **2f**

| | | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|----|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| Base color 地色 | B | | | | | | | | | | | | | | | | |
| | BG | | | | | | | | | | | | | | | | |
| | BR | | | | | | | | | | | | | | | | |
| | CH | | | | | | | | | | | | | | | | |
| | DG | | | | | | | | | | | | | | | | |
| | G | | | | | | | | | | | | | | | | |
| | GR | | | | | | | | | | | | | | | | |
| | L | | | | | | | | | | | | | | | | |
| | LG | | | | | | | | | | | | | | | | |
| | P | | | | | | | | | | | | | | | | |
| | PU | | | | | | | | | | | | | | | | |
| | R | | | | | | | | | | | | | | | | |
| | SB | | | | | | | | | | | | | | | | |
| V | | | | | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | | | | | |
| Y | | | | | | | | | | | | | | | | | |

※設定色については、2023年4月現在の情報を掲載させて頂いております。
 最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
 Please contact our sales department for the latest information.

A : 自動車用低圧電線 E : ポリエチレン X : 架橋

A : Low-voltage wires for automobiles E : Polyethylene X : Cross-linked

用途

自動車用（4輪、2輪）の低圧回路配線で、耐熱性（120℃）が要求される部位に使用します。

APPLICATION

Wires used in low voltage circuits requiring heat resistance (120 °C) such as automobiles (Vehicles and motorcycles).

特長

AEXは、AV及びAVXよりも耐熱性を向上させた電線です。

JASO D625 準拠

FEATURES

AEX wire have higher heat resistance characteristic than AV and AVX.

Conformity to JASO D625

構造及び性能 CONSTRUCTION AND PERFORMANCE



| サイズ Size | 導体 (すずめっき軟銅より線) Conductor (Tinned annealed copper stranded conductors) | | | 絶縁体 Insulation | | 仕上外径 Overall diameter (mm) | | 耐熱クラス Heat resistance class (°C) *1 | 最大導体抵抗 MAX. Conductor resistance (20°C) (mΩ/m) | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-------------|---|---|---------------------------|----------------------|----------------|-------------------------------|-----|--|---|----------------------------|--------------------------------|----------------------------|
| | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | 外径 Outer diameter (mm) | 厚さ Thickness (mm) | 標準 Standard | 最大 Max. | | | | | | |
| 0.5f | 20/0.18 | 0.5087 | 1.0 | 0.5 | 2.0 | 2.2 | 120 | 38.6 | 8 | 把 Coil shape | 1,000 | |

*1 耐熱クラスは、累積通電時間10,000時間を目安とした場合の導体最高許容温度を示す

The Heat resistance class defines the maximum allowable temperature of conductors when applying current for 10,000 hours cumulatively.

許容電流 [A] (JASO D609) Permissible Current [A] (According to JASO D609)

| サイズ Size | 周囲温度 Ambient temperature (°C) | | | | | | | | | |
|-------------|----------------------------------|----|----|----|----|----|----|----|-----|-----|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 0.5f | 17 | 16 | 15 | 14 | 13 | 12 | 10 | 9 | 7 | 5 |

※ 許容電流とは各周囲温度の下で、導体飽和温度が耐熱温度となる電流です。

Permissible currents are the currents which the saturation temperatures of conductor up to allowed heat resisted temperatures under the each ambient temperatures.

標準色選定表 STANDARD COLOR SELECTION CHART

| B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
|------------|---------------|------------|-------------------|------------------|------------|-----------|-----------|-------------------|-----------|--------------------|----------|---------------|-------------|------------|-------------|
| black 黒 | beige ベージュ | brown 茶 | dark brown こげ茶 | dark green 濃緑 | green 緑 | gray 灰 | blue 青 | light green 若葉 | pink 桃 | light violet 薄紫 | red 赤 | sky blue 空 | violet 紫 | white 白 | yellow 黄 |

導体サイズ
Conductor size **0.5f**

| Base color 地色 | Stripe ストライプ | | | | | | | | | | | | | | | |
|------------------|--------------|----|----|----|----|---|----|---|----|---|----|---|----|---|---|---|
| | B | BG | BR | CH | DG | G | GR | L | LG | P | PU | R | SB | V | W | Y |
| B | ● | | | | | | | | | | | | | | | |
| BG | | ● | | | | | | | | | | | | | | |
| BR | ● | | ● | | | | | | | | | | | | | |
| CH | | | | ● | | | | | | | | | | | | |
| DG | | | | | ● | | | | | | | | | | | |
| G | ● | | | | | ● | | | | | | | | | | |
| GR | | | | | | | ● | | | | | | | | | |
| L | ● | | | | | | | ● | | | | | | | | |
| LG | | | | | | | | | ● | | | | | | | |
| P | | | | | | | | | | ● | | | | | | |
| PU | | | | | | | | | | | ● | | | | | |
| R | ● | | | | | | | | | | | ● | | | | |
| SB | | | | | | | | | | | | | ● | | | |
| V | | | | | | | | | | | | | | ● | | |
| W | ● | | | | | | | | | | | | | | ● | |
| Y | | | | | | | | | | | | | | | | ● |

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最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

用途

自動車用の低圧回路配線で、電子回路、センサー用リード線等の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

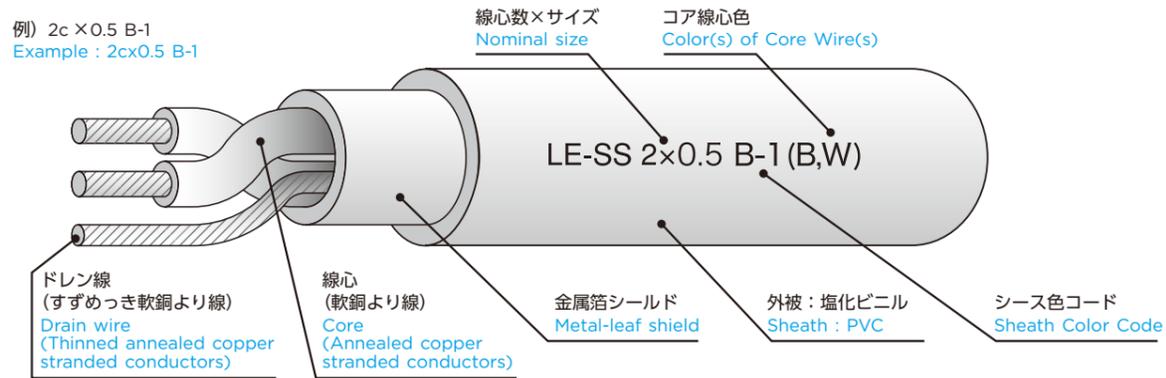
特長

線心に AVSS を使用し、シールド部に金属箔を縦添えたシールド線。

FEATURES

Longitudinally applied metal-leaf shielded cables with AVSS cores.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| 品 種 Wire type | サイズ Size | 線心 Core | | | ドレン線 Drain wire | | シールド Shield | 外被 Sheath | | 質 量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|------------------|-------------|-----------------|-----------|--|----------------------------------|---|---------------------------|--------------|----------------------|-----------------------------|--------------------------------|----------------------------|
| | | 線種 Core type | 線心数 No | 撚合せ外径 Stranding outer diameter (Approx. mm) | 素線数/素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | | タイプ Type | 厚さ Thickness (mm) | | | |
| LE-SS | SHE030 | AVSS 0.3 | 1C | — | 20/0.18 | 0.509 | 銅箔テープ Copper foil tape | 0.60 | 3.60 | 22 | 把 Coil shape | 300 |
| | SHE050 | AVSS 0.5 | 1C | — | | | | 0.60 | 3.80 | 24 | 把 Coil shape | 300 |
| | SHE125 | AVSS 1.25 | 1C | — | | | | 0.60 | 4.30 | 34 | 把 Coil shape | 200 |
| | 2SH030 | AVSS 0.3 | 2C | 2.80 | | | | 0.60 | 4.10 | 25 | 把 Coil shape | 300 |
| | 2SH050 | AVSS 0.5 | 2C | 3.20 | | | | 0.60 | 4.50 | 30 | 把 Coil shape | 200 |
| | 2SH085 | AVSS 0.85 | 2C | 3.60 | | | | 0.60 | 4.90 | 38 | 把 Coil shape | 200 |
| | 2SH125 | AVSS 1.25 | 2C | 4.20 | | | | 0.60 | 5.50 | 49 | 把 Coil shape | 200 |
| | 3SH030 | AVSS 0.3 | 3C | 3.02 | | | | 0.59 | 4.30 | 30 | 把 Coil shape | 200 |
| | 3SH050 | AVSS 0.5 | 3C | 3.45 | | | | 0.73 | 5.00 | 41 | 把 Coil shape | 200 |
| | 3SH200 | AVSS 200 | 3C | 5.70 | | | | 50/0.18 | 1.272 | 98 | 把 Coil shape | 100 |
| | 4SH030 | AVSS 0.3 | 4C | 3.38 | 20/0.18 | 0.509 | 銅箔テープ Copper foil tape | 0.66 | 4.80 | 38 | 把 Coil shape | 200 |
| | 4SH050 | AVSS 0.5 | 4C | 3.86 | | | | 0.82 | 5.60 | 52 | 把 Coil shape | 200 |
| | 5SH030 | AVSS 0.3 | 5C | 3.78 | | | | 0.91 | 5.70 | 51 | 把 Coil shape | 200 |
| | 5SH050 | AVSS 0.5 | 5C | 4.32 | | | | 0.91 | 6.24 | 64 | 把 Coil shape | 200 |
| | 6SH030 | AVSS 0.3 | 6C | 4.20 | | | | 0.75 | 5.80 | 55 | 把 Coil shape | 200 |
| | 6SH050 | AVSS 0.5 | 6C | 4.80 | | | | 0.75 | 6.40 | 71 | 把 Coil shape | 200 |
| | 7SH030 | AVSS 0.3 | 7C | 4.20 | | | | 0.75 | 5.80 | 58 | 把 Coil shape | 200 |
| | 8SH030 | AVSS 0.3 | 8C | 5.10 | | | | 0.75 | 6.70 | 72 | 把 Coil shape | 200 |

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 | Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 | |
|-------------------|-----------------|---------------------------------|-----------------------------------|-------------------|-----------------|---------------------------------|-----------------------------------|-----------------|
| LE-SS (AVSS) | SHE030 | KH-1 | B | 2SH085 | 2SH085 | B-1 | P・L・Y | |
| | | KH-2 | W | | | B-2 | B・W | |
| | SHE050 | KH-1 | W | | | B-5 | L・B・L・W | |
| | | KH-2 | B | | | B-7 | R・G | |
| | | KH-3 | R | | | B-8 | L・P | |
| | | KH-4 | L | | | B-50 | L・G・V | |
| | | KH-5 | G | | | B-52 | BR・Y | |
| | | KH-10 | Y | | 2SH125 | B-1 | G・BR | |
| | | KH-50 | G・B | | | B-2 | L・B・L・W | |
| | | KH-51 | R・L | | | B-4 | B・W | |
| | SHE125 | KH-1 | W | B-7 | L・Y・L・B | | | |
| | SHE200 | KH-1 | W | L-1 | B・W・R | | | |
| | 2SH030 | 2SH030 | B-1 | B・W | L-2 | B・R・W・R・L | | |
| | | | B-2 | R・L | L-3 | B・L・Y | | |
| | | | B-3 | R・L・Y | L-6 | L・Y・G | | |
| | | | B-5 | L・G・V | L-7 | W・BR・G・L | | |
| | | | B-6 | L・P | L-11 | W・L・W・G・G | | |
| | | | B-7 | R・W・R・L | L-51 | L・V・LG | | |
| | | | B-8 | G・R | L-52 | R・V・LG | | |
| | | | B-10 | BR・GR | L-54 | L・W・L・R・L | | |
| | | | B-50 | BR・Y | 3SH050 | L-1 | B・W・R | |
| | | | B-51 | W・R・B・R | | L-2 | W・L・L・G・O・L | |
| | 2SH050 | 2SH050 | B-1 | B・W | | L-5 | R・L・W・W・R | |
| | | | B-2 | Y・BR | | L-6 | L・Y・G | |
| | | | B-3 | O・L・W・L | | L-50 | G・R・G・Y・G・O | |
| | | | B-4 | L・G・L・Y | | L-51 | B・W・O | |
| | | | B-5 | L・P | | L-52 | BR・W・BR・Y・BR | |
| | | | B-6 | L・B・W | | 3SH200 | L-1 | W・Y・LG |
| | | | B-7 | BR・B・R | | | 4SH030 | GR-1 |
| | | | B-8 | R・G | | GR-3 | | W・L・O・L・L・G・L・Y |
| | | | B-9 | W・O | GR-9 | R・G・L・W | | |
| | | | B-10 | W・R・L | GR-10 | L・Y・O・L・R・LG | | |
| | B-11 | R・L | 4SH050 | GR-12 | BR・SB・LG・P | | | |
| | B-12 | R・W | | GR-1 | B・W・R・G | | | |
| | B-14 | L・G・V | | GR-2 | Y・B・L・R | | | |
| | B-15 | R・B・R・W | | GR-3 | W・L・O・L・L・G・L・Y | | | |
| | B-50 | B・Y・LG | | GR-8 | O・W・W・L・O・L | | | |
| | B-52 | L・L・W | | GR-12 | BR・SB・LG・P | | | |
| | B-56 | Y・O | | GR-13 | L・BR・V・Y | | | |
| | B-58 | L・W・B | | GR-51 | L・W・G・R | | | |
| B-60 | L・Y | 5SH030 | | BR-1 | W・R・L・Y・BR | | | |
| B-61 | G・L | | | BR-2 | W・G・L・Y・BR | | | |
| LE-SS (AVSS) | LE-SS (AVSS) | 3SH050 | 3SH050 | BR-50 | B・Y・W・G・R | | | |
| | | | | BR-1 | B・W・R・G・Y | | | |
| | | 5SH050 | 5SH050 | BR-2 | V・L・BR・LG・GR | | | |
| | | | | BR-51 | L・Y・W・G・R | | | |
| | | | | 6SH030 | 6SH030 | G-1 | W・R・G・Y・BR・L | |
| | | G-5 | V・L・LG・P・GR・SB | | | | | |
| | | 6SH050 | 6SH050 | G-1 | W・R・G・Y・BR・L | | | |
| | | | | G-5 | V・L・LG・P・GR・SB | | | |
| | | 7SH030 | W-1 | B・W・R・G・Y・BR・L | | | | |
| | | 8SH030 | O-1 | B・W・R・G・Y・BR・L・O | | | | |

線種コラムの () 内は線心種を表します。
The type of core wire is shown in parentheses in the cable type column.
シース色のコードはコア色の違いを表します。
The number with sheath color code differs according to the color combinations of core wires.

※設定色については、2023年4月現在の情報を掲載させて頂いております。
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用途

自動車用の低圧回路配線で、電子回路、センサー用リード線等の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

特長

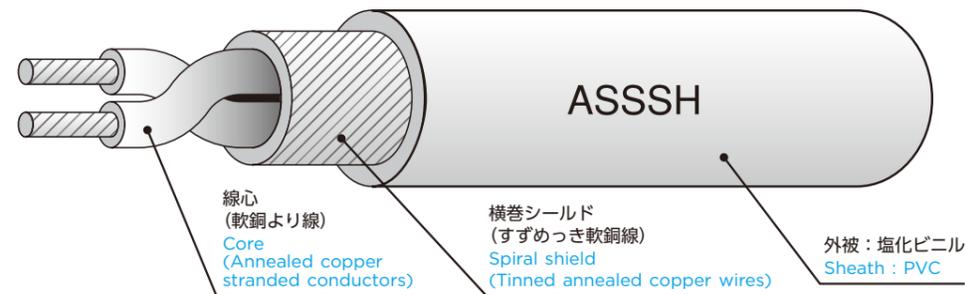
線心にAVSSを使用し、シールド部にすずめっき軟銅線をスパイラル状に巻き付けたシールド線。

FEATURES

Annealed tinned copper wire spiral shielded cables with AVSS cores.

構造及び性能 CONSTRUCTION AND PERFORMANCE

例) 2c × 0.3 B
Example : 2cx0.3 B



| 品種 Wire type | サイズ Size | 線心 Core | | シールド Shield | | 外被 Sheath | | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) | |
|-----------------|-------------|-----------------|-----------|--|-------------------------|----------------------------------|----------------------|----------------------------|--------------------------------|----------------------------|-----------------------------------|
| | | 線種 Core type | 線心数 No | 撚合せ外径 Stranding outer diameter (Approx. mm) | タイプ Type | 持本数/素線径 Construction (No./mm) | 厚さ Thickness (mm) | | | | 外径 Outer diameter (Approx. mm) |
| ASSSH | SHE030 | AVSS 0.3 | 1C | — | 横巻シールド Spiral shield | 35/0.12 | 0.50 | 2.64 | 13 | 把 Coil shape | 500 |
| | SHE050 | AVSS 0.5 | 1C | — | | 40/0.12 | 0.50 | 2.84 | 16 | 把 Coil shape | 500 |
| | SHE125 | AVSS 1.25 | 1C | — | | 51/0.12 | 0.50 | 3.34 | 26 | 把 Coil shape | 300 |
| | 2SH030 | AVSS 0.3 | 2C | 2.80 | | 58/0.12 | 0.50 | 4.04 | 24 | 把 Coil shape | 300 |
| | 2SH050 | AVSS 0.5 | 2C | 3.20 | | 61/0.12 | 0.50 | 4.44 | 30 | 把 Coil shape | 300 |
| | 2SH085 | AVSS 0.85 | 2C | 3.60 | | 62/0.12 | 0.50 | 4.84 | 38 | 把 Coil shape | 300 |
| | 2SH125 | AVSS 1.25 | 2C | 4.20 | | 85/0.12 | 0.50 | 5.44 | 50 | 把 Coil shape | 200 |
| | 2SH200 | AVSS 2.0 | 2C | 5.20 | | 89/0.12 | 0.50 | 6.44 | 69 | 把 Coil shape | 200 |
| | 3SH030 | AVSS 0.3 | 3C | 3.02 | | 58/0.12 | 0.50 | 4.26 | 30 | 把 Coil shape | 300 |
| | 3SH050 | AVSS 0.5 | 3C | 3.45 | | 69/0.12 | 0.50 | 4.69 | 39 | 把 Coil shape | 300 |
| | 3SH125 | AVSS 1.25 | 3C | 4.53 | | 93/0.12 | 0.50 | 5.77 | 67 | 把 Coil shape | 200 |
| | 4SH030 | AVSS 0.3 | 4C | 3.38 | | 80/0.12 | 0.50 | 4.62 | 37 | 把 Coil shape | 300 |
| | 4SH050 | AVSS 0.5 | 4C | 3.86 | | 81/0.12 | 0.50 | 5.10 | 48 | 把 Coil shape | 200 |
| | 5SH030 | AVSS 0.3 | 5C | 3.78 | | 85/0.12 | 0.50 | 5.02 | 46 | 把 Coil shape | 200 |
| | 5SH050 | AVSS 0.5 | 5C | 4.32 | | 90/0.12 | 0.50 | 5.56 | 60 | 把 Coil shape | 200 |
| | 6SH030 | AVSS 0.3 | 6C | 4.20 | | 91/0.12 | 0.50 | 5.44 | 54 | 把 Coil shape | 200 |
| | 6SH050 | AVSS 0.5 | 6C | 4.80 | | 96/0.12 | 0.50 | 6.04 | 71 | 把 Coil shape | 200 |
| | 8SH030 | AVSS 0.3 | 8C | 5.10 | | 99/0.12 | 0.50 | 6.30 | 71 | 把 Coil shape | 200 |
| | 8SH050 | AVSS 0.5 | 8C | 5.80 | | 106/0.12 | 0.50 | 7.00 | 93 | 把 Coil shape | 200 |

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 | Cable type 線種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 | | |
|------------------|-------------|---------------------------------|-----------------------------------|------------------|-------------|---------------------------------|-----------------------------------|------------------------------|---------|
| ASSSH (AVSS) | SHE030 | G | W-R | ASSSH (AVSS) | 2S050A | B | LG-V | | |
| | | P | L | | | B | BR-Y | | |
| | | V | W | | | B | G-L | | |
| | | W | R-L | | | B | B-W | | |
| | | Y | LG | | | B | W-R-B-R | | |
| | SHE050 | KH-51 | LG | | | B | 2S085D | B | R-G |
| | | B | G | | | B | 2S085E | B | L-P |
| | | BR | W | | | B | 2S085F | B | L-G |
| | | G | O | | | B | 2S085G | B | L-B-L-W |
| | | GR | Y-R | | | BR | 2SH125 | O | L-Y-P-L |
| | | L | L | | | B | 2SH200 | B | G-Y-G-R |
| | | LG | Y | | | B-1 | | R-B | |
| | | O | B | | | 3SH030 | BR | R-W-R-L-B | |
| | | R | R-L | | | | GR | L-Y-G | |
| | | SB | W-R | | | 3SH050 | BR | W-B-R | |
| | SH050A | B | R | | G | | L-Y-G | | |
| | SHE125 | B | R | | L | | W-L-L-G-O-L | | |
| | | BR | W | | O | L-G-O-L-O | | | |
| | 2SH030 | B | B-W | | 3SH125 | B | G-L-B | | |
| | | BR | R-L | | 4SH030 | B | B-W-R-G | | |
| | | L | L-P | | | BR | W-Y-R-BR | | |
| | 2SH050 | LG | LG-V | | 4SH050 | BR | W-B-R-G | | |
| | | SH030A | B | | | L | L-G-L-Y-W-L-O-L | | |
| | | SH030B | B | | BR-Y | 5SH030 | BR | G-L-R-W-Y | |
| | | 2SH050 | B | | O-L-W-L | 5SH050 | GR | B-W-R-G-Y | |
| | | | B-53 | | B-W-W-G | | L | B-W-R-G-Y | |
| | | | BR | | W-B | 6SH030 | B | L-W-R-G-Y-B | |
| | | | G | | Y-G | 8SH030 | B | B-W-R-G-Y-BR-L-O | |
| | | | GR | | L-B-W | 8SH050 | BR | L-G-L-Y-O-L-W-L-L-B-W-BR-B-R | |
| | | | L | | L-G-L-Y | | | | |
| O | | | W-O | | | | | | |
| P | Y-O | | | | | | | | |
| R | BR-B-R | | | | | | | | |
| SB | Y-G-Y-L | | | | | | | | |

線種コラムの () 内は線心種を表します。
The type of core wire is shown in parentheses in the cable type column.
シース色のコードはコア色の違いを表します。
The number with sheath color code differs according to the color combinations of core wires.

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Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

用途

自動車用の低圧回路配線で、電子回路、センサー用リード線等の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

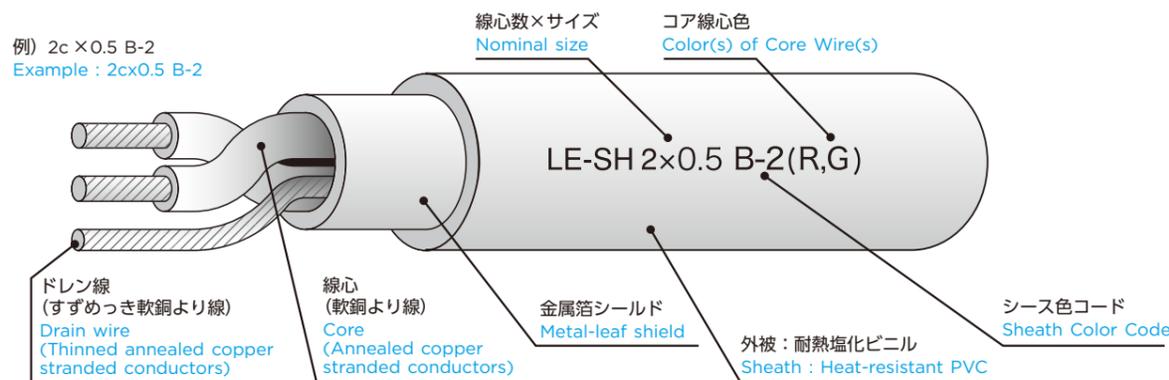
特長

線心に AVSSH を使用し、シールド部に金属箔を縦添えたシールド線。

FEATURES

Longitudinally applied metal-leaf shielded cables with AVSSH cores.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| 品 種 Wire type | サイズ Size | 線心 Core | | | ドレン線 Drain wire | | シールド Shield | 外被 Sheath | | 質 量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|------------------|-------------|-----------------|-----------|--|------------------------------------|---|---------------------------|--------------|----------------------|-----------------------------|--------------------------------|----------------------------|
| | | 線種 Core type | 線心数 No | 撚合せ外径 Stranding outer diameter (Approx. mm) | 素線数 / 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | | タイプ Type | 厚さ Thickness (mm) | | | |
| LE-SH | SHE050 | AVSSH 0.5f | 1C | — | 20/0.18 | 0.509 | 銅箔テープ Copper foil tape | 0.60 | 3.80 | 21 | 把 Coil shape | 300 |
| | 2SH050 | AVSSH 0.5f | 2C | 3.20 | | | | 0.60 | 4.50 | 30 | 把 Coil shape | 200 |
| | 2SH075 | AVSSH 0.75f | 2C | 3.60 | | | | 0.60 | 4.90 | 32 | 把 Coil shape | 200 |
| | 2SH125 | AVSSH 1.25f | 2C | 4.20 | | | | 0.60 | 5.50 | 47 | 把 Coil shape | 200 |
| | 6SH030 | AVSSH 0.3f | 6C | 4.20 | | | | 0.75 | 5.80 | 57 | 把 Coil shape | 200 |
| | 5SH125 | AVSSH 1.25f | 5C | 5.90 | | | | 50/0.18 | 1.272 | 0.60 | 7.20 | 104 |

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 |
|-------------------|-------------|------------------------------|-----------------------------------|
| LE-SH (AVSSH) | SHE050 | KH-1 | B |
| | | KH-2 | W |
| | | KH-3 | R-L |
| | 2SH050 | B-1 | Y-L |
| | | B-2 | R-G |
| | | B-3 | B-W |
| | | B-4 | R-L |
| | | B-5 | Y-BR |
| | | B-6 | P-L |
| | | B-7 | O-W |
| | | B-8 | BR-B-R |
| | | B-11 | R-B-R-W |
| | | B-12 | W-BR |
| | | 2SH075 | B-1 |
| | B-2 | | L-B-L-Y |
| | B-3 | | BR-G |
| | 2SH125 | B-1 | B-W |
| | | B-2 | L-L-R |
| | | B-3 | BR-G |
| | | B-4 | L-Y |
| | | B-5 | P-V |
| | 5SH125 | BR-1 | B-W-Y-G-BR |
| | | BR-2 | R-L-V-O-P |
| | 6SH030 | G-2 | G-Y-S-B-P-V-L |

線種コラムの () 内は線心種を表します。
The type of core wire is shown in parentheses in the cable type column.
シース色のコードはコア色の違いを表します。
The number with sheath color code differs according to the color combinations of core wires.

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最新の情報については弊社営業担当までお問い合わせ下さい。
Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

用途

自動車用の低圧回路配線で、電子回路、センサー用リード線等の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

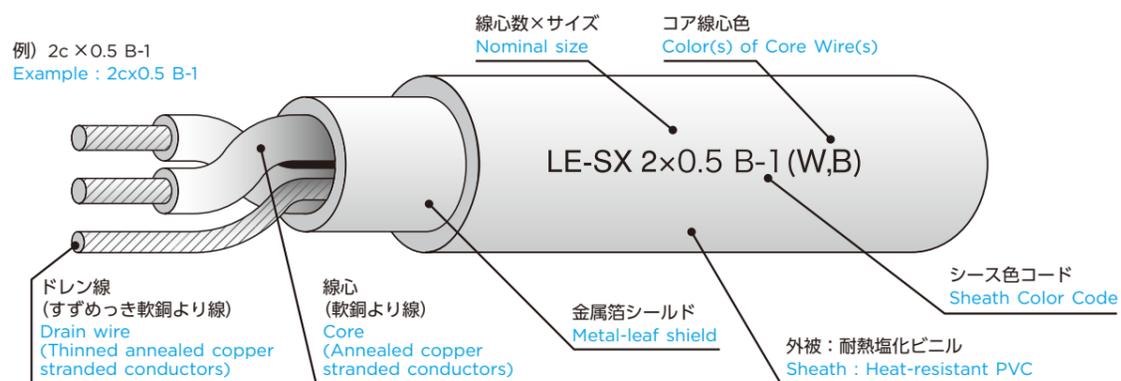
特長

線心に AVSSX を使用し、シールド部に金属箔を縦添えたシールド線。

FEATURES

Longitudinally applied metal-leaf shielded cables with AVSSX cores.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| 品 種 Wire type | サイズ Size | 線心 Core | | | ドレン線 Drain wire | | シールド Shield | 外被 Sheath | | 質 量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|------------------|-------------|-----------------|-----------|--|---------------------------------------|---|----------------------------------|--------------|-------------------------|-----------------------------------|--------------------------------------|----------------------------------|
| | | 線種 Core type | 線心数 No | 撚合せ外径 Stranding outer diameter (Approx. mm) | 素線数 / 素線径 Construction (No./mm) | 計算断面積 Calculated area (mm ²) | | タイプ Type | 厚さ Thickness (mm) | | | |
| LE-SX | SHE050 | AVSSX 0.5f | 1C | — | 20/0.18 | 0.509 | 銅箔 テープ Copper foil tape | 0.55 | 3.70 | 19 | 把 Coil shape | 300 |
| | 2SH050 | AVSSX 0.5f | 2C | 3.20 | | | | 0.60 | 4.50 | 29 | 把 Coil shape | 200 |
| | 3SH050 | AVSSX 0.5f | 3C | 3.45 | | | | 0.73 | 5.00 | 40 | 把 Coil shape | 200 |
| | 4SH050 | AVSSX 0.5f | 4C | 3.86 | | | | 0.82 | 5.60 | 50 | 把 Coil shape | 200 |
| | 6SH050 | AVSSX 0.5f | 6C | 4.80 | | | | 0.75 | 6.40 | 69 | 把 Coil shape | 200 |
| | 2SH200 | AVSSX 2f | 2C | 5.20 | | | | 50/0.18 | 1.272 | 0.60 | 6.50 | 73 |

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 |
|-------------------|-------------|---------------------------------|-----------------------------------|
| LE-SX (AVSSX) | SHE050 | KH-1 | W |
| | | KH-2 | B |
| | | KH-3 | R |
| | 2SH050 | B-1 | W・B |
| | | B-2 | L・P |
| | | B-6 | L・B・W |
| | | B-8 | R・G |
| | | B-10 | L・G |
| | 2SH200 | B-1 | B・R |
| | 3SH050 | L-1 | B・W・R |
| L-2 | | L・Y・G | |
| 4SH050 | GR-1 | B・W・R・G | |
| 6SH050 | G-1 | W・R・G・Y・BR・L | |
| | G-2 | W・R・G・Y・B・L | |

線種コラムの () 内は線心種を表します。
The type of core wire is shown in parentheses in the cable type column.
シース色のコードはコア色の違いを表します。
The number with sheath color code differs according to the color combinations of core wires.

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用途

自動車用の低圧回路配線で、電子回路、センサー用リード線等の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

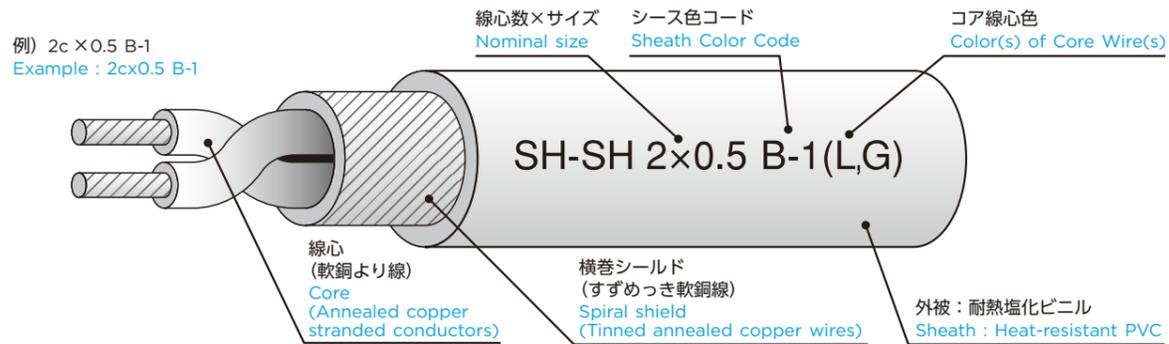
特長

線心に AVSSH を使用し、シールド部にすずめっき軟銅線をスパイラル状に巻き付けたシールド線。

FEATURES

Annealed tinned copper wire spiral shielded cables with AVSSH cores.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| 品 種 Wire type | サイズ Size | 線心 Core | | | シールド Shield | | 外被 Sheath | | 質 量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|------------------|-------------|-----------------|-----------|--|-------------------------|---|-------------------------|---|-----------------------------------|--------------------------------------|----------------------------------|
| | | 線種 Core type | 線心数 No | 撚合せ外径 Stranding outer diameter (Approx. mm) | タイプ Type | 持本数/ 素線径 Construction (No./mm) | 厚さ Thickness (mm) | 外径 Outer diameter (Approx. mm) | | | |
| SH-SH | SHE050 | AVSSH 0.5f | 1C | — | 横巻シールド Spiral shield | 40/0.12 | 0.50 | 2.84 | 16 | 把 Coil shape | 500 |
| | 2SH050 | AVSSH 0.5f | 2C | 3.20 | | 56/0.12 | 0.50 | 4.44 | 30 | 把 Coil shape | 300 |
| | 3SH050 | AVSSH 0.5f | 3C | 3.45 | | 69/0.12 | 0.50 | 4.69 | 39 | 把 Coil shape | 300 |
| | 4SH050 | AVSSH 0.5f | 4C | 3.86 | | 81/0.12 | 0.50 | 5.10 | 48 | 把 Coil shape | 200 |

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 |
|-------------------|-------------|---------------------------------|-----------------------------------|
| SH-SH (AVSSH) | SHE050 | KH-1 | W |
| | | KH-3 | Y |
| | | KH-4 | L |
| | | KH-5 | R-L |
| | | KH-6 | W-R |
| | | B-1 | L・G |
| | 2SH050 | B-2 | G・Y |
| | | B-3 | R・W |
| | | B-4 | W・W-R |
| | | B-5 | W・R-L |
| | | B-6 | W-L・BR-R |
| | | 3SH050 | L-1 |
| 4SH050 | GR-1 | W・G・R-L・L | |

線種コラムの () 内は線心種を表します。

The type of core wire is shown in parentheses in the cable type column.

シース色のコードはコア色の違いを表します。

The number with sheath color code differs according to the color combinations of core wires.

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Note: The color information above indicated is as of April 2023.

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用途

自動車用の低圧回路配線で、電子回路、センサー用リード線等の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

特長

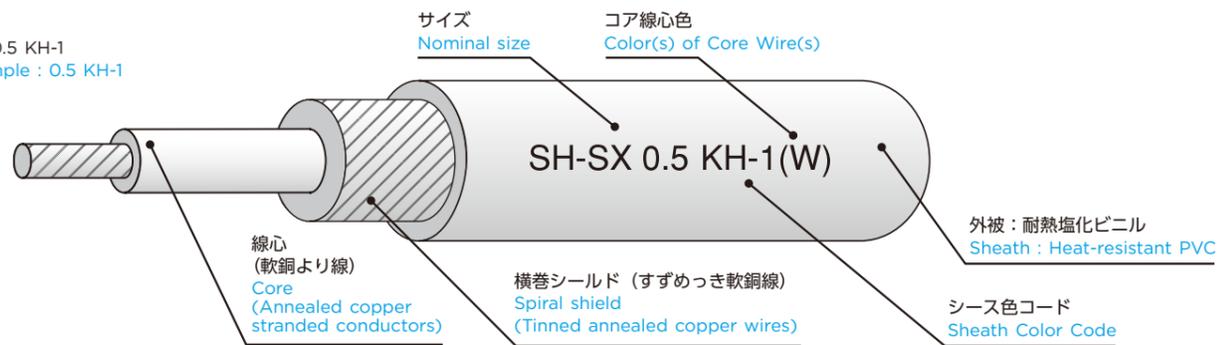
線心に AVSSX を使用し、シールド部にすずめっき軟銅線をスパイラル状に巻き付けたシールド線。

FEATURES

Annealed tinned copper wire spiral shielded cables with AVSSX cores.

構造及び性能 CONSTRUCTION AND PERFORMANCE

例) 0.5 KH-1
Example : 0.5 KH-1



| 品 種 Wire type | サイズ Size | 線心 Core | | | シールド Shield | | 外被 Sheath | | 質 量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|------------------|-------------|-----------------|-----------|--|-------------------------|---|-------------------------|---|-----------------------------------|--------------------------------------|----------------------------------|
| | | 線種 Core type | 線心数 No | 撚合せ外径 Stranding outer diameter (Approx. mm) | タイプ Type | 持本数/ 素線径 Construction (No./mm) | 厚さ Thickness (mm) | 外径 Outer diameter (Approx. mm) | | | |
| SH-SX | SHE050 | AVSSX 0.5f | 1C | — | 横巻シールド Spiral shield | 40/0.12 | 0.50 | 2.84 | 16 | 把 Coil shape | 500 |

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 |
|-------------------|-------------|---------------------------------|-----------------------------------|
| SH-SX (AVSSX) | SHE050 | KH-1 | W |
| | | KH-4 | L |
| | | KH-5 | R-L |
| | | KH-9 | B |

線種コラムの () 内は線心種を表します。

The type of core wire is shown in parentheses in the cable type column.

シース色のコードはコア色の違いを表します。

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用途

自動車用の低圧回路配線で、電子回路、センサー用リード線等の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

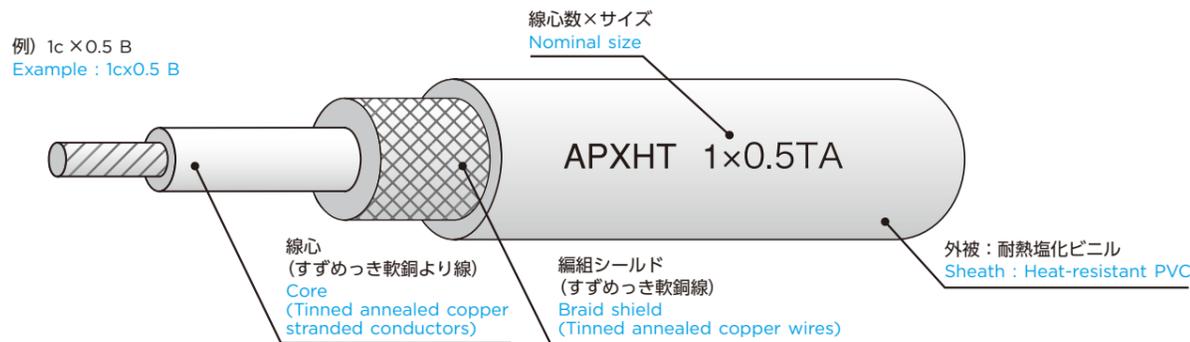
特長

線心に低静電容量の架橋ポリエチレン電線を使用し、シールド部にすずめっき軟銅線を交差状に編み上げたシールド電線。

FEATURES

Annealed tinned copper wire braid shielded cables with low capacitance cross-linked polyethylene insulated conductors.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| 品 種 Wire type | サイズ Size | 線心 Core | | | シールド Shield | | 外被 Sheath | | 質 量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) | |
|------------------|-------------|-----------------|-----------|---------------------------------|---|----------------------------|---------------------------------------|-------------------------|-----------------------------------|--------------------------------------|----------------------------------|---|
| | | 線種 Core type | 線心数 No | 外径 Outer diameter (mm) | 撚合せ外径 Stranding outer diameter (Approx. mm) | タイプ Type | 持本数 / 打数 / 素線径 (No. / No. / mm) | 厚さ Thickness (mm) | | | | 外径 Outer diameter (Approx. mm) |
| APXHT | SHE050 | ※1 | 1C | 2.0 | — | 編組 シールド Braid shield | 4/16/0.12 | 0.40 | 3.45 | 19 | 把 Coil shape | 300 |
| | 2SH035 | | 2C | 1.6 | 3.20 | | 7/16/0.12 | 0.50 | 4.70 | 32 | 把 Coil shape | 200 |
| | 2SH050 | | 2C | 2.0 | 4.00 | | 7/16/0.12 | 0.50 | 5.50 | 38 | 把 Coil shape | 200 |
| | 4SH035 | | 4C | 1.6 | 3.90 | | 7/16/0.12 | 0.50 | 5.36 | 42 | 把 Coil shape | 200 |

*1 線心は、低静電容量タイプの架橋ポリエチレン絶縁電線です。
Core is low capacitance cross-linked polyethylene insulated wire.

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 |
|-------------------|-------------|---------------------------------|-----------------------------------|
| APXHT | SHE050 | B | N |
| | 2SH035 | BR-1 | G・R |
| | | L-1 | B・W |
| | 2SH050 | BR | R・G |
| | | SB | B・W |
| | 4SH035 | L | B・W・R・G |

シース色のコードはコア色の違いを表します。

The number with sheath color code differs according to the color combinations of core wires.

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用途

自動車の低圧回路配線で、電子回路、センサー用リード線の遮蔽を必要とする部位に使用します。

APPLICATION

Cables used in low voltage circuits for automobiles requiring an electromagnetic shielding such as in electronic circuits or as a lead wire to sensors.

特長

線心に低静電容量の架橋ポリエチレン電線を使用し、シールド部にすずめっき軟銅線をスパイラル状に施したシールド線。

FEATURES

Annealed tinned copper wire spiral shielded cables with low capacitance cross-linked polyethylene insulated conductors.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| 品種 Wire type | サイズ Size | 線心 Core | | | | シールド Shield | | 外被 Sheath | | 質量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|-----------------|-------------|-----------------|-----------|---------------------------|--|-------------------------|----------------------------------|----------------------|-----------------------------------|----------------------------|--------------------------------|----------------------------|
| | | 線種 Core type | 線心数 No | 外径 Outer diameter (mm) | 撚合せ外径 Stranding outer diameter (Approx. mm) | タイプ Type | 持本数/素線径 Construction (No./mm) | 厚さ Thickness (mm) | 外径 Outer diameter (Approx. mm) | | | |
| APEXN | SHE050 | ※1 | 1C | 2.05 | — | 横巻シールド Spiral shield | 50/0.12 | 0.4 | 3.09 | 17 | 把 Coil shape | 300 |

*1 線心は、低静電容量タイプの架橋ポリエチレン絶縁電線です。
Core is low capacitance cross-linked polyethylene insulated wire.

標準色選定表 STANDARD COLOR SELECTION CHART

| ケーブル種 Cable type | サイズ Size | シース色コード Sheath Color Code | コア線心色 Color(s) of Core Wire(s) |
|---------------------|-------------|------------------------------|-----------------------------------|
| APEXN | SHE050 | B R | N |

シース色のコードはコア色の違いを表します。
The number with sheath color code differs according to the color combinations of core wires.

※設定色については、2023年4月現在の情報を掲載させて頂いております。
最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.
Please contact our sales department for the latest information.

用途

自動車用の低圧回路で、保護材の軽減が必要な部位に使用します。

APPLICATION

Wires used in low voltage circuits for automobiles requiring reduction of protectors.

特長

線心を複数本集束し、その上に外被を被覆した電線。

FEATURES

Sheathed wire with untwisted cores.

構造及び性能 CONSTRUCTION AND PERFORMANCE



| 品 種 Wire type | 線心数×サイズ Nominal size | 線心 Core | | 外被 Sheath | | 質 量 Approx. weight (g/m) | 標準荷姿 Standard packing style | 標準長 Standard length (m) |
|------------------|-------------------------|------------|---|-------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|
| | | 種類 Type | 外径 Stranding outer diameter (Approx. mm) | 厚さ Thickness (mm) | 外径 Outer diameter (Approx. mm) | | | |
| TDW404 | 2心×0.5 | TVSSC | 1.6 | 0.8 | 3.2×4.8 | 26 | 把 Coil shape | 300 |
| TDW403 | 2心×0.5 | AVSSC | 1.6 | 0.5 | 2.6×4.2 | 21 | 把 Coil shape | 200 |
| TDW402 | 2心×0.5 | AVSSC | 1.6 | 0.5 | 2.6×4.2 | 21 | 把 Coil shape | 200 |
| TDW401 | 2心×0.5 | AVSSC | 1.6 | 0.5 | 2.6×4.2 | 21 | 把 Coil shape | 200 |
| TDW264 | 2心×0.5 | AVSSC | 1.6 | 0.5 | 2.6×4.2 | 21 | 把 Coil shape | 200 |
| TDW270 | 1心×1.25 | AVX-TA | 2.7 | 1.0 | 4.7 | 34 | ドラム Drums | 1000 |

標準色選定表 STANDARD COLOR SELECTION CHART

| Cable type 線 種 | Size サイズ | Sheath Color Code シース色コード | Color(s) of Core Wire(s) コア線心色 |
|-------------------|-------------|---------------------------------|-----------------------------------|
| TDW404 | 0.5 | Y | Y・Y-B |
| TDW403 | 0.5 | B | B・L G |
| TDW402 | 0.5 | B | B・L |
| TDW401 | 0.5 | B | B・W |
| TDW264 | 0.5 | B | B・R-L |
| TDW270 | 1.25 | B | W |

※設定色については、2023年4月現在の情報を掲載させて頂いております。

最新の情報については弊社営業担当までお問い合わせ下さい。

Note: The color information above indicated is as of April 2023.

Please contact our sales department for the latest information.

コルゲートチューブ

Convuluted Tube

用途

凸凹状の波形を持たせたチューブで、自動車ワイヤーハーネス・電線の保護に使用します。

特長

用途により、「スリット有」と「スリット無」がご選びいただけます。肉厚0.27~0.35mmの薄肉タイプです。

定格温度定義

材質 (PP・PA) の定格温度とする。

APPLICATION

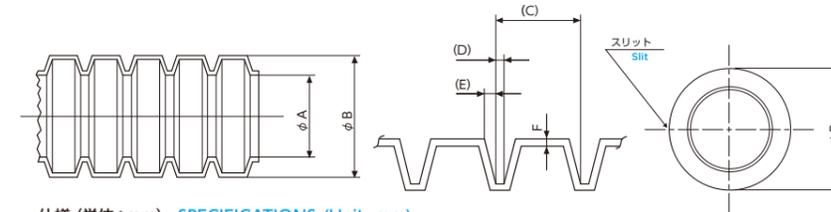
Convuluted tubes for protection of wiring harnesses of automobiles.

FEATURES

Various slit/slitless convuluted tubes available. (Thin-walled, 0.27 mm to 0.35 mm)

RATED TEMPERATURE DEFINITION

Depends on rated temperature of the material.



仕様 (単位: mm) SPECIFICATIONS (Unit: mm)

| サイズ Size | φA | φB | (C) | (D) | (E) | F | 標準単長 (m) Unit length |
|----------|------|------|-------|-------|--------|------|----------------------|
| 5 | 5.2 | 7.8 | (2.7) | (0.6) | (0.3) | 0.27 | 500 |
| 7 | 7.4 | 10.2 | (2.7) | (0.6) | (0.3) | 0.27 | 400 |
| 10 | 10.7 | 14.1 | (2.7) | (0.6) | (0.3) | 0.27 | 350 |
| 13 | 13.2 | 17.5 | (3.5) | (0.7) | (0.45) | 0.27 | 300 |
| 15 | 15.2 | 19.5 | (3.5) | (0.7) | (0.45) | 0.27 | 200 |
| 19 | 19.5 | 23.8 | (3.5) | (0.7) | (0.45) | 0.27 | 200 |
| 22 | 22.1 | 27.0 | (4.2) | (0.8) | (0.5) | 0.30 | 150 |
| 25 | 25.1 | 30.0 | (4.3) | (0.8) | (0.5) | 0.35 | 100 |
| 28 | 28.2 | 34.0 | (4.4) | (0.8) | (0.55) | 0.35 | 100 |
| 32 | 32.4 | 38.0 | (4.4) | (0.8) | (0.55) | 0.35 | 50 |

※ () 内は参考値です。
The dimensions in brackets are just for your reference.



サイズ別早見表 CHART BY SIZE

| サイズ Size | 品番 Part No. | スリット Slit | 材質 Material | 色相 Color | 定格温度 Rated temperature |
|-----------|----------------|----------------|--------------------------|--------------|------------------------|
| 5 | 3810-2532 | 有 With slit | P.P. | 黒 Black | 90 |
| | 3810-2531 | 無 Without slit | | | |
| | 3810-0501 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 |
| | 3815-0501 | 無 Without slit | | | |
| | 3810-3283 | 有 With slit | P.P.(難燃) Flame resistant | 黄 Yellow | 90 |
| | 3815-3283 | 無 Without slit | | | |
| | 3810-3308 | 有 With slit | P.A. | 暗灰 Dark Gray | 120 |
| | 3815-3408 | 無 Without slit | | | |
| 7 | 3810-0700 | 有 With slit | P.P. | 黒 Black | 90 |
| | 3815-0701 | 無 Without slit | | | |
| | 3810-0704 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 |
| | 3815-0700 | 無 Without slit | | | |
| | 3810-0720 | 有 With slit | P.P.(難燃) Flame resistant | 黄 Yellow | 90 |
| | 3815-0723 | 無 Without slit | | | |
| | 3810-0730 | 有 With slit | P.P.(難燃) Flame resistant | オレンジ Orange | 90 |
| | 3810-0755 | 有 With slit | | | |
| 3815-0755 | 無 Without slit | | | | |
| 10 | 3810-1000 | 有 With slit | P.P. | 黒 Black | 90 |
| | 3815-1001 | 無 Without slit | | | |
| | 3810-1004 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 |
| | 3815-1000 | 無 Without slit | | | |
| | 3810-1021 | 有 With slit | P.P.(難燃) Flame resistant | 黄 Yellow | 90 |
| | 3810-1030 | 有 With slit | | | |
| | 3810-1055 | 有 With slit | P.A. | 暗灰 Dark Gray | 120 |
| | 3815-1055 | 無 Without slit | | | |
| 13 | 3810-1300 | 有 With slit | P.P. | 黒 Black | 90 |
| | 3815-1301 | 無 Without slit | | | |
| | 3810-1304 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 |
| | 3815-1300 | 無 Without slit | | | |
| | 3810-1330 | 有 With slit | P.P.(難燃) Flame resistant | オレンジ Orange | 90 |
| | 3810-1355 | 有 With slit | | | |
| | 3815-1355 | 無 Without slit | | | |

| サイズ Size | 品番 Part No. | スリット Slit | 材質 Material | 色相 Color | 定格温度 Rated temperature | |
|-----------|-------------|----------------|--------------------------|--------------|------------------------|--------------------------|
| 15 | 3810-1500 | 有 With slit | P.P. | 黒 Black | 90 | |
| | 3815-1501 | 無 Without slit | | | | |
| | 3810-1504 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 | |
| | 3815-1500 | 無 Without slit | | | | |
| | 3810-1522 | 有 With slit | P.P.(難燃) Flame resistant | 黄 Yellow | 90 | |
| | 3810-1530 | 有 With slit | | | | P.P.(難燃) Flame resistant |
| | 3810-1555 | 有 With slit | P.A. | 暗灰 Dark Gray | 120 | |
| | 3815-1555 | 無 Without slit | | | | |
| 19 | 3810-1900 | 有 With slit | P.P. | 黒 Black | 90 | |
| | 3815-1901 | 無 Without slit | | | | |
| | 3810-1904 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 | |
| | 3815-1900 | 無 Without slit | | | | |
| | 3810-1930 | 有 With slit | P.P.(難燃) Flame resistant | オレンジ Orange | 90 | |
| | 3810-1955 | 有 With slit | | | | P.A. |
| | 3815-1955 | 無 Without slit | | | | |
| | 22 | 3810-2200 | 有 With slit | P.P. | 黒 Black | 90 |
| 3815-2201 | | 無 Without slit | | | | |
| 3810-2204 | | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 | |
| 3815-2200 | | 無 Without slit | | | | |
| 3810-2230 | | 有 With slit | P.P.(難燃) Flame resistant | オレンジ Orange | 90 | |
| 3810-2255 | | 有 With slit | | | | P.A. |
| 3815-2255 | | 無 Without slit | | | | |
| 25 | | 3810-2500 | 有 With slit | P.P. | 黒 Black | 90 |
| | 3815-2501 | 無 Without slit | | | | |
| | 3810-2504 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 | |
| | 3815-2526 | 無 Without slit | | | | |
| | 3810-2555 | 有 With slit | P.A. | 暗灰 Dark Gray | 120 | |
| | 3815-2555 | 無 Without slit | | | | |
| | 28 | 3810-2800 | 有 With slit | P.P. | 黒 Black | 90 |
| | | 3815-2801 | 無 Without slit | | | |
| 3810-2804 | | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 | |
| 3815-3442 | | 無 Without slit | | | | |
| 3810-2855 | | 有 With slit | P.A. | 暗灰 Dark Gray | 120 | |
| 3815-2855 | | 無 Without slit | | | | |
| 32 | | 3810-3200 | 有 With slit | P.P. | 黒 Black | 90 |
| | | 3815-3201 | 無 Without slit | | | |
| | 3810-3313 | 有 With slit | P.P.(難燃) Flame resistant | 黒 Black | 90 | |
| | 3815-3255 | 無 Without slit | | | | P.A. |

※ P.P. (難燃) の難燃基準は酸素指数23.5%以上とする。
Minimum oxygen index value of "flame-retardant P.P." is 23.5 %.

材質・色別早見表 CHART BY MATERIAL & COLOR

P.P.(色相:黒) 定格温度:90℃
P.P.(color:Black) Rated temperature:90℃

| 材質 Material | サイズ Size | 品番 Part No. | スリット Slit |
|-----------------|-----------|----------------|----------------|
| P.P.(黒) (Black) | 5 | 3810-2532 | 有 With slit |
| | | 3810-2531 | 無 Without slit |
| | | 3810-0700 | 有 With slit |
| | | 3815-0701 | 無 Without slit |
| | 7 | 3810-1000 | 有 With slit |
| | | 3815-1001 | 無 Without slit |
| | | 3810-1300 | 有 With slit |
| | | 3815-1301 | 無 Without slit |
| | 10 | 3810-1500 | 有 With slit |
| | | 3815-1501 | 無 Without slit |
| | | 3810-1900 | 有 With slit |
| | | 3815-1901 | 無 Without slit |
| | 13 | 3810-2200 | 有 With slit |
| | | 3815-2201 | 無 Without slit |
| | | 3810-2500 | 有 With slit |
| | | 3815-2501 | 無 Without slit |
| | 15 | 3810-2800 | 有 With slit |
| | | 3815-2801 | 無 Without slit |
| | | 3810-3200 | 有 With slit |
| | | 3815-3201 | 無 Without slit |
| | 19 | 3810-2200 | 有 With slit |
| | | 3815-2201 | 無 Without slit |
| | | 3810-2500 | 有 With slit |
| | | 3815-2501 | 無 Without slit |
| 22 | 3810-2800 | 有 With slit | |
| | 3815-2801 | 無 Without slit | |
| | 3810-3200 | 有 With slit | |
| | 3815-3201 | 無 Without slit | |
| 25 | 3810-2800 | 有 With slit | |
| | 3815-2801 | 無 Without slit | |
| | 3810-3200 | 有 With slit | |
| | 3815-3201 | 無 Without slit | |
| 28 | 3810-2800 | 有 With slit | |
| | 3815-2801 | 無 Without slit | |
| | 3810-3200 | 有 With slit | |
| | 3815-3201 | 無 Without slit | |
| 32 | 3810-2800 | 有 With slit | |
| | 3815-2801 | 無 Without slit | |
| | 3810-3200 | 有 With slit | |
| | 3815-3201 | 無 Without slit | |

P.P.(難燃)(色相:黒) 定格温度:90℃
P.P.(Flame resistant)(color:Black) Rated temperature:90℃

| 材質 Material | サイズ Size | 品番 Part No. | スリット Slit |
|----------------------|-----------|----------------|----------------|
| P.P.(難燃) (黒) (Black) | 5 | 3810-0501 | 有 With slit |
| | | 3815-0501 | 無 Without slit |
| | | 3810-0704 | 有 With slit |
| | | 3815-0700 | 無 Without slit |
| | 7 | 3810-1004 | 有 With slit |
| | | 3815-1000 | 無 Without slit |
| | | 3810-1304 | 有 With slit |
| | | 3815-1300 | 無 Without slit |
| | 10 | 3810-1504 | 有 With slit |
| | | 3815-1500 | 無 Without slit |
| | | 3810-1904 | 有 With slit |
| | | 3815-1900 | 無 Without slit |
| | 13 | 3810-2204 | 有 With slit |
| | | 3815-2200 | 無 Without slit |
| | | 3810-2504 | 有 With slit |
| | | 3815-2500 | 無 Without slit |
| | 15 | 3810-2804 | 有 With slit |
| | | 3815-2800 | 無 Without slit |
| | | 3810-3204 | 有 With slit |
| | | 3815-3200 | 無 Without slit |
| | 19 | 3810-2204 | 有 With slit |
| | | 3815-2200 | 無 Without slit |
| | | 3810-2504 | 有 With slit |
| | | 3815-2500 | 無 Without slit |
| 22 | 3810-2804 | 有 With slit | |
| | 3815-2800 | 無 Without slit | |
| | 3810-3204 | 有 With slit | |
| | 3815-3200 | 無 Without slit | |
| 25 | 3810-2804 | 有 With slit | |
| | 3815-2800 | 無 Without slit | |
| | 3810-3204 | 有 With slit | |
| | 3815-3200 | 無 Without slit | |
| 28 | 3810-2804 | 有 With slit | |
| | 3815-2800 | 無 Without slit | |
| | 3810-3204 | 有 With slit | |
| | 3815-3200 | 無 Without slit | |
| 32 | 3810-2804 | 有 With slit | |
| | 3815-2800 | 無 Without slit | |
| | 3810-3204 | 有 With slit | |
| | 3815-3200 | 無 Without slit | |

P.A.(色相:暗灰) 定格温度:120℃
P.A.(color:DarkGray) Rated temperature:120℃

| 材質 Material | サイズ Size | 品番 Part No. | スリット Slit |
|----------------------|-----------|----------------|----------------|
| P.A.(暗灰) (Dark Gray) | 5 | 3810-3308 | 有 With slit |
| | | 3815-3408 | 無 Without slit |
| | | 3810-0755 | 有 With slit |
| | | 3815-0755 | 無 Without slit |
| | 7 | 3810-1055 | 有 With slit |
| | | 3815-1055 | 無 Without slit |
| | | 3810-1355 | 有 With slit |
| | | 3815-1355 | 無 Without slit |
| | 10 | 3810-1555 | 有 With slit |
| | | 3815-1555 | 無 Without slit |
| | | 3810-1955 | 有 With slit |
| | | 3815-1955 | 無 Without slit |
| | 13 | 3810-2255 | 有 With slit |
| | | 3815-2255 | 無 Without slit |
| | | 3810-2555 | 有 With slit |
| | | 3815-2555 | 無 Without slit |
| | 15 | 3810-2855 | 有 With slit |
| | | 3815-2855 | 無 Without slit |
| | | 3810-3255 | 有 With slit |
| | | 3815-3255 | 無 Without slit |
| | 19 | 3810-2255 | 有 With slit |
| | | 3815-2255 | 無 Without slit |
| | | 3810-2555 | 有 With slit |
| | | 3815-2555 | 無 Without slit |
| 22 | 3810-2855 | 有 With slit | |
| | 3815-2855 | 無 Without slit | |
| | 3810-3255 | 有 With slit | |
| | 3815-3255 | 無 Without slit | |
| 25 | 3810-2855 | 有 With slit | |
| | 3815-2855 | 無 Without slit | |
| | 3810-3255 | 有 With slit | |
| | 3815-3255 | 無 Without slit | |
| 28 | 3810-2855 | 有 With slit | |
| | 3815-2855 | 無 Without slit | |
| | 3810-3255 | 有 With slit | |
| | 3815-3255 | 無 Without slit | |
| 32 | 3810-2855 | 有 With slit | |
| | 3815-2855 | 無 Without slit | |
| | 3810-3255 | 有 With slit | |
| | 3815-3255 | 無 Without slit | |

P.P./P.P.(難燃)(色相:黄色) 定格温度:90℃
P.P./P.P.(Flame resistant)(color:Yellow) Rated temperature:90℃

| 材質 Material | サイズ Size | 品番 Part No. | スリット Slit |
|-----------------------|----------|-------------|----------------|
| P.P.(難燃) (黄) (Yellow) | 5 | 3810-3283 | 有 With slit |
| | | 3815-3283 | 無 Without slit |
| | 7 | 3810-0720 | 有 With slit |
| | | 3815-0723 | 無 Without slit |
| | 10 | 3810-1021 | 有 With slit |
| | | 3810-1522 | 有 With slit |
| | 15 | 3810-1522 | 有 With slit |
| | | 3810-1522 | 有 With slit |

P.P.(難燃)(色相:オレンジ) 定格温度:90℃
P.P.(Flame resistant)(color:Orange) Rated temperature:90℃

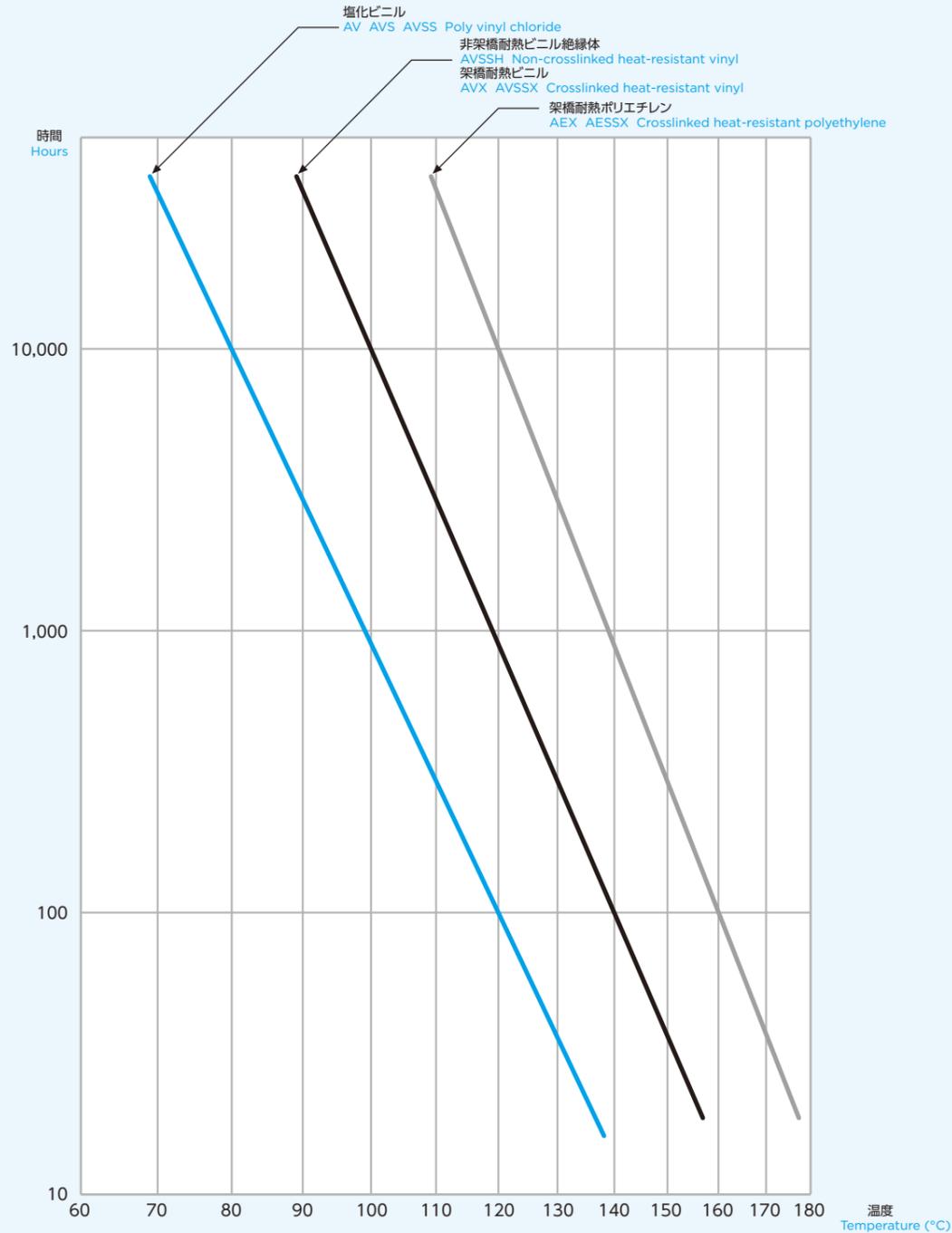
| 材質 Material | サイズ Size | 品番 Part No. | スリット Slit |
|--------------------------|----------|-------------|-------------|
| P.P.(難燃) (オレンジ) (Orange) | 7 | 3810-0730 | 有 With slit |
| | | 3810-1030 | 有 With slit |
| | 13 | 3810-1330 | 有 With slit |
| | | 3810-1530 | 有 With slit |
| | 19 | 3810-1930 | 有 With slit |
| | | 3810-2230 | 有 With slit |

耐熱寿命特性 Characteristics of Heat Life

(注意) 本カタログに記載の許容電流値・特性値などは、電線単体への通電における値で、自動車用低圧電気回路に用いる電線を選定する場合の目安として記載したものです。
複数本束ねた状態での使用などの条件により、許容電流値・特性値などは大きく変化しますので、実際のご使用に際しては、弊社営業担当にお問い合わせください。

Note: In this catalog the values of permissible current and other characteristics are provided by the single-piece wire test and should be used only as a guide to select a wire or cable appropriate for low-voltage circuit for automobiles. Those values vary depending on the use conditions, for example, that a several pieces of wires/cables are used in a bundle. Please contact our sales department if you are using our wire/cable in the actual environment.

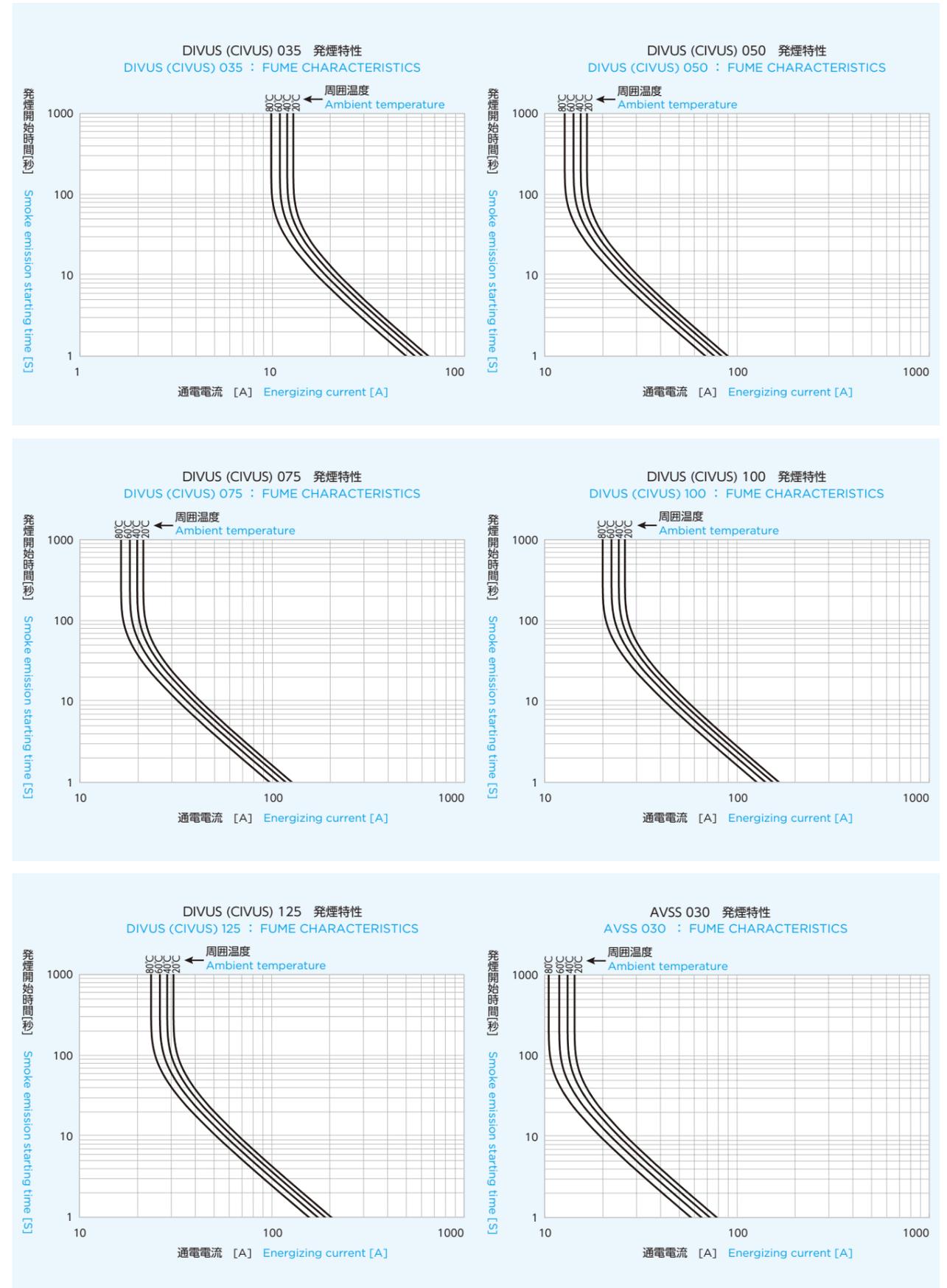
※このアレニウスプロットは、各電線の定格温度以上での実使用を推奨するものではありません。
※ This Arrhenius Plot is not recommended for actual use of wire at higher than rated temperature.



(注) 耐熱寿命特性とは各温度で絶縁体の引張伸びが100%以上を保持する最大の時間を示したものです。
Note: The characteristic of heat life defines the maximum hours required to keep over 100% of elongation of the insulation (vinyl chloride, non-cross-linked heat-resistant vinyl, cross-linked heat-resistant vinyl and cross-linked polyethylene) at the specified temperature.

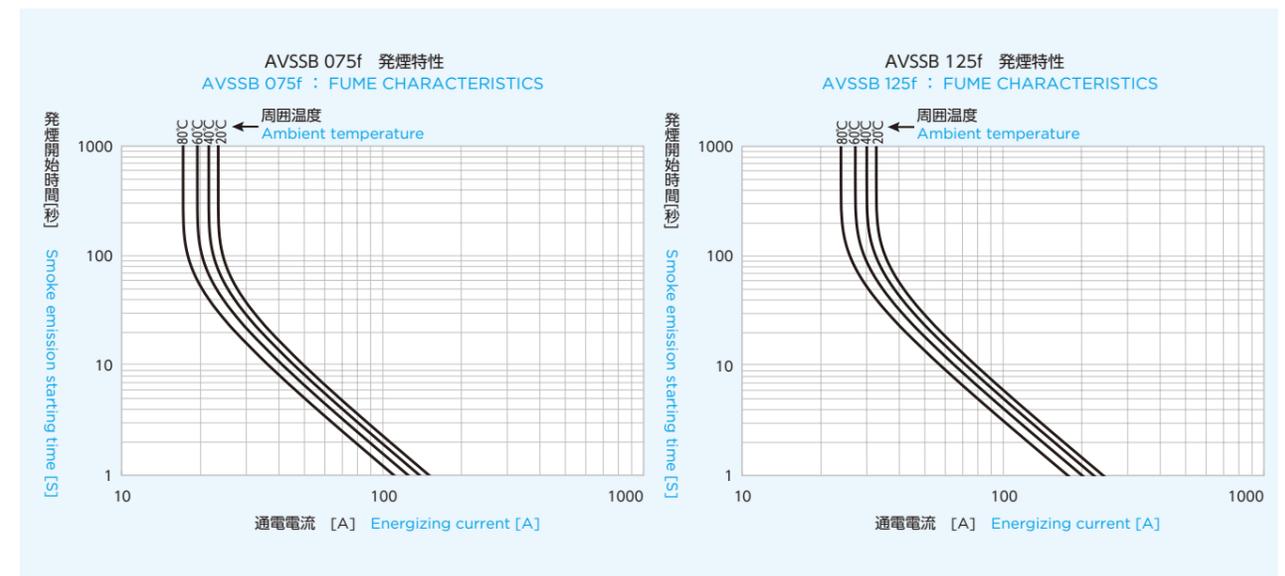
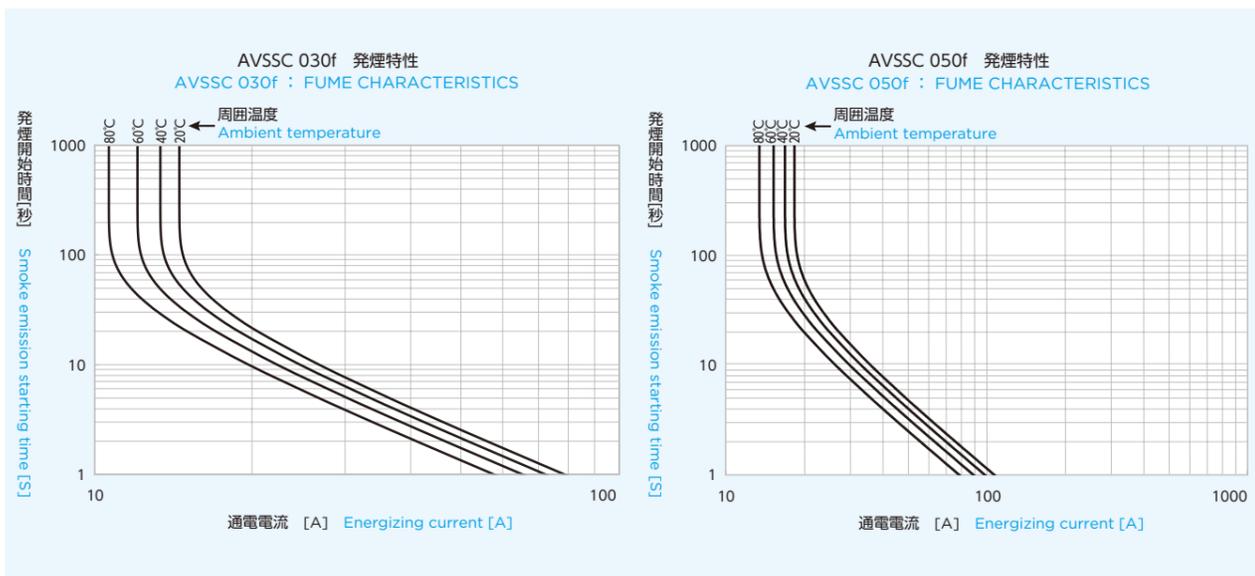
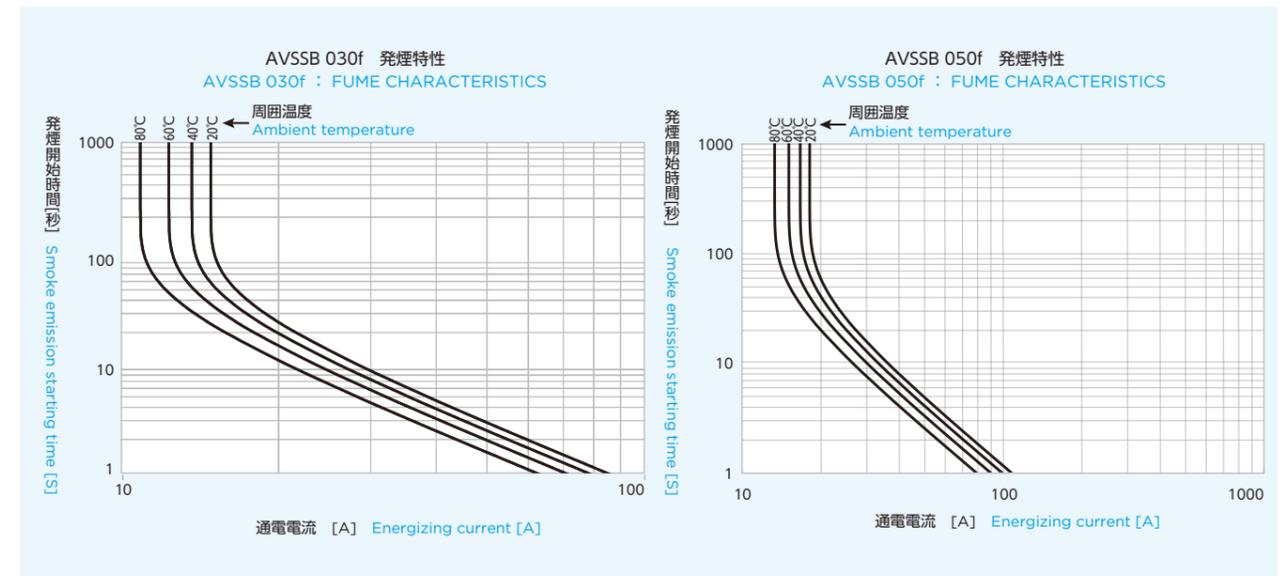
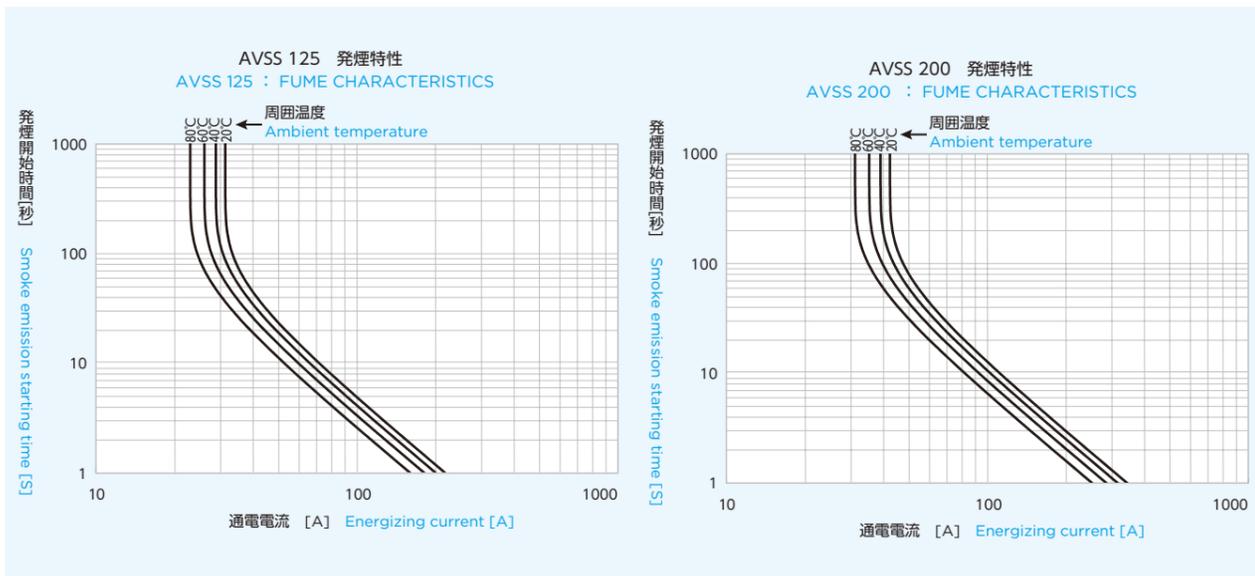
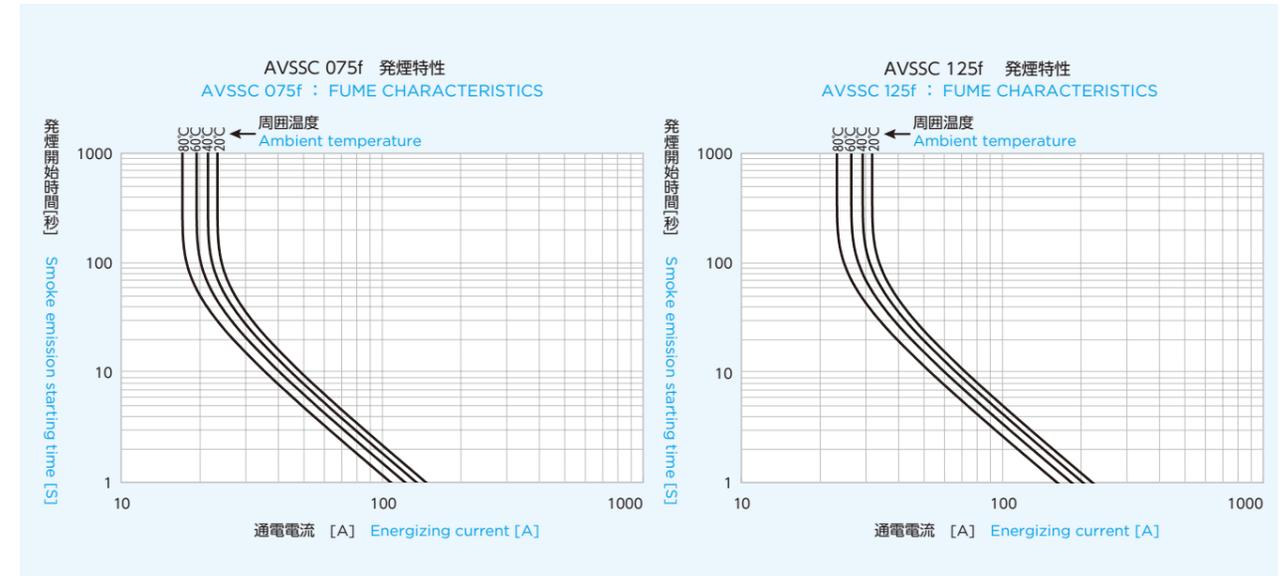
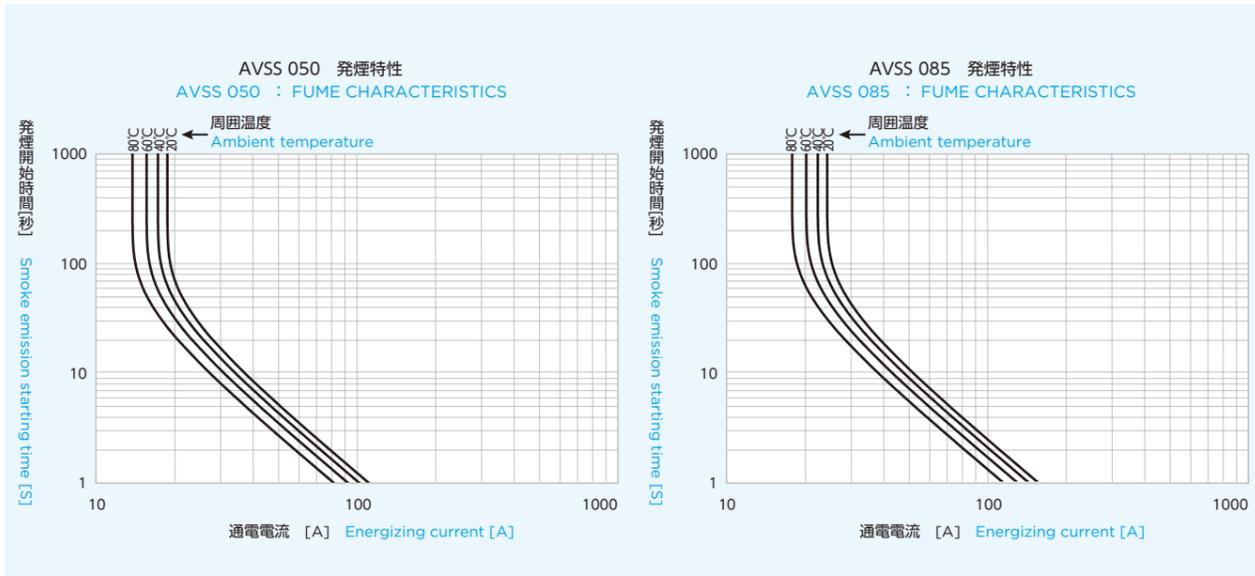
発煙特性 Fume Characteristics

JASO D609による計算値
(Calculated according to JASO D609)



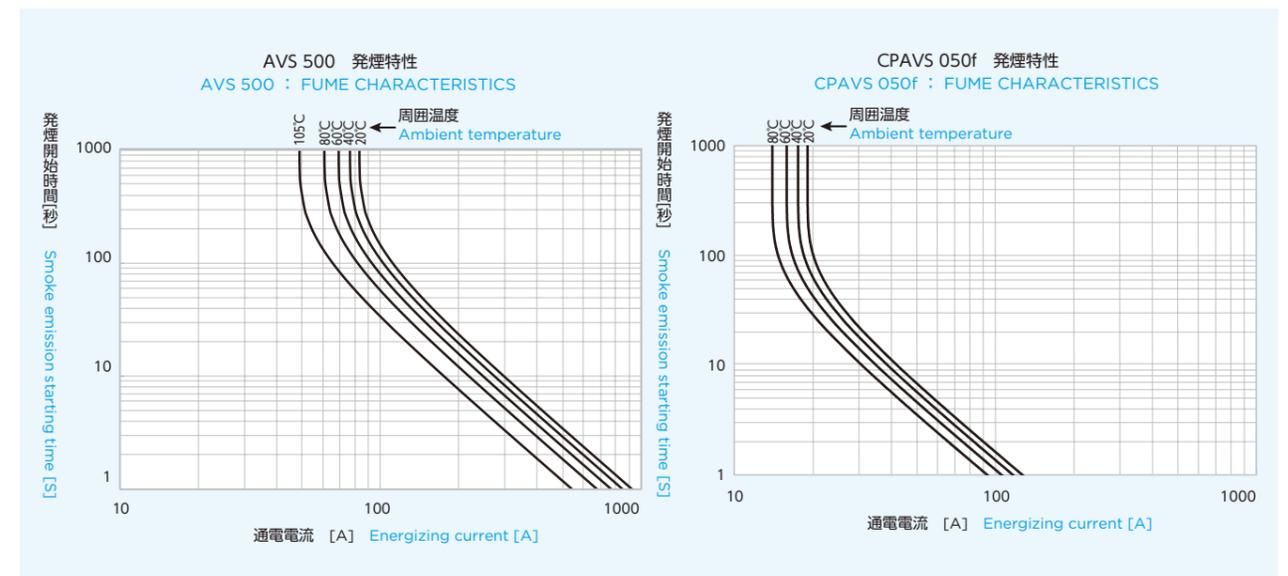
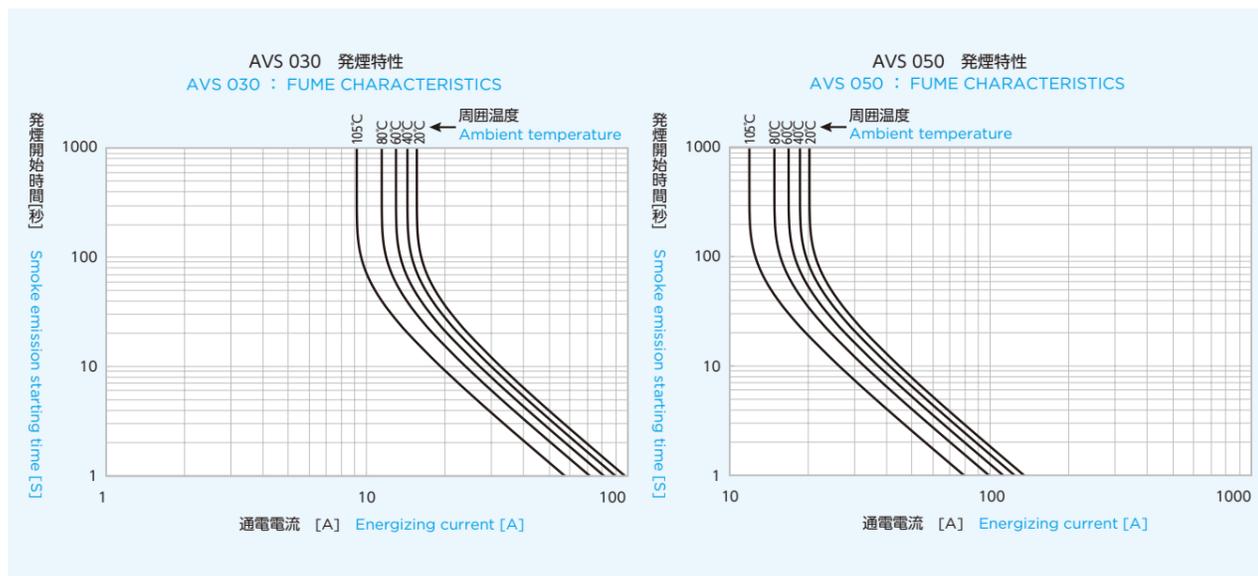
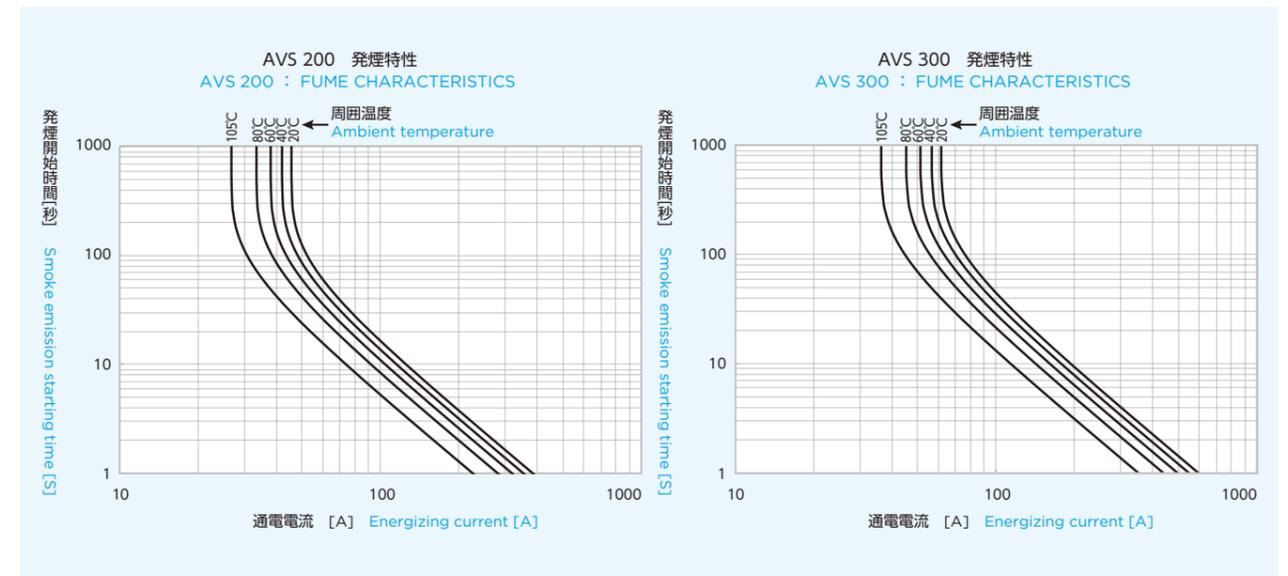
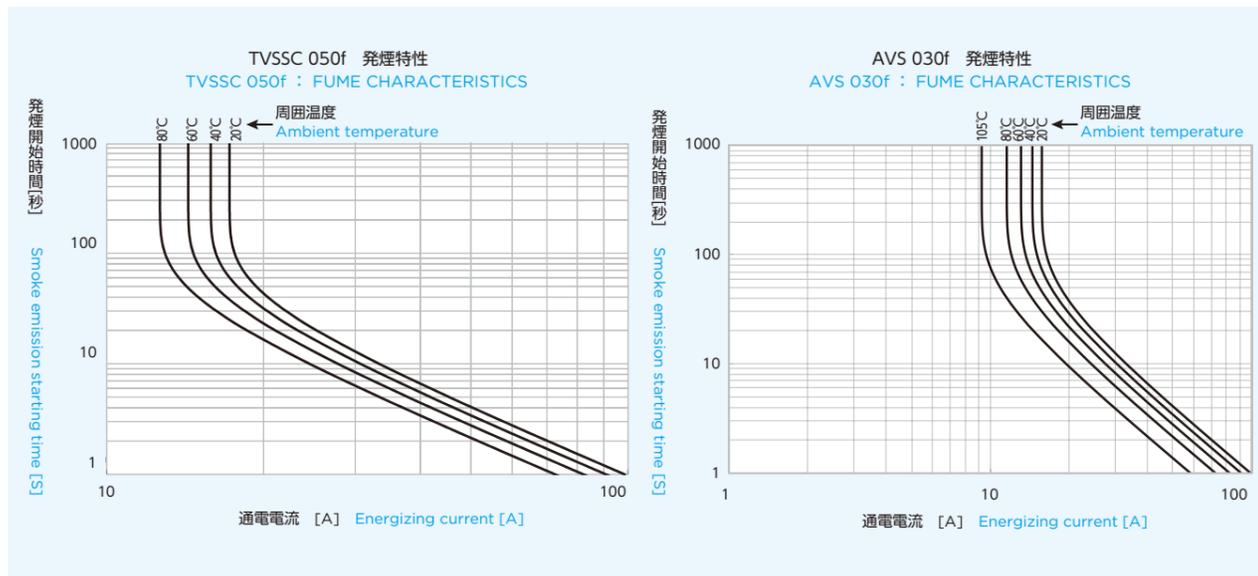
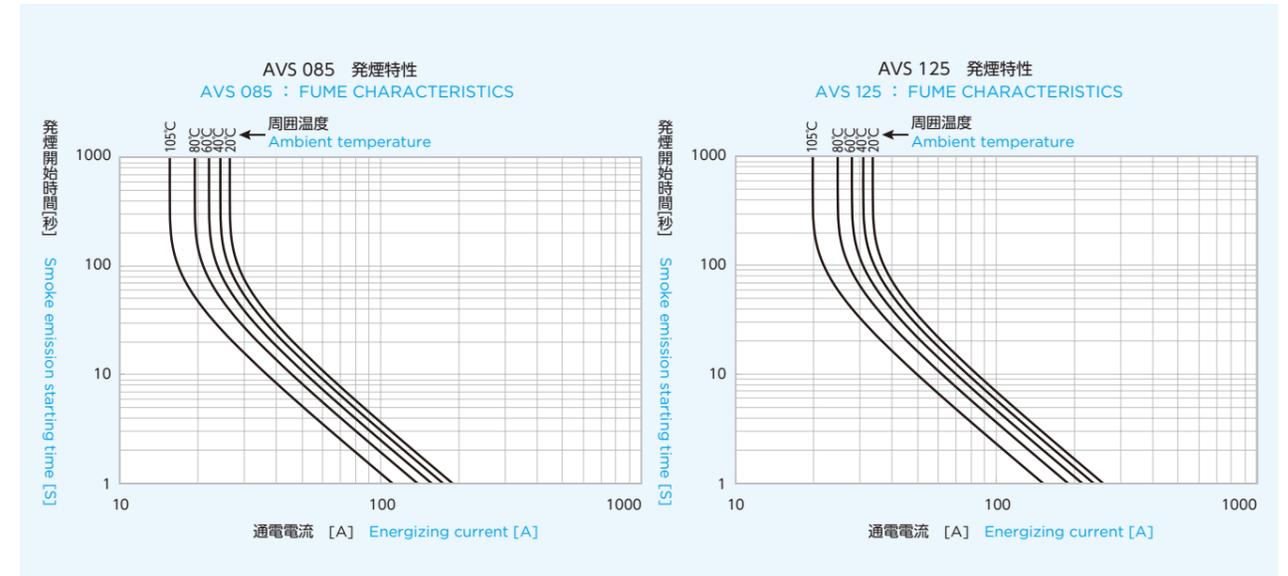
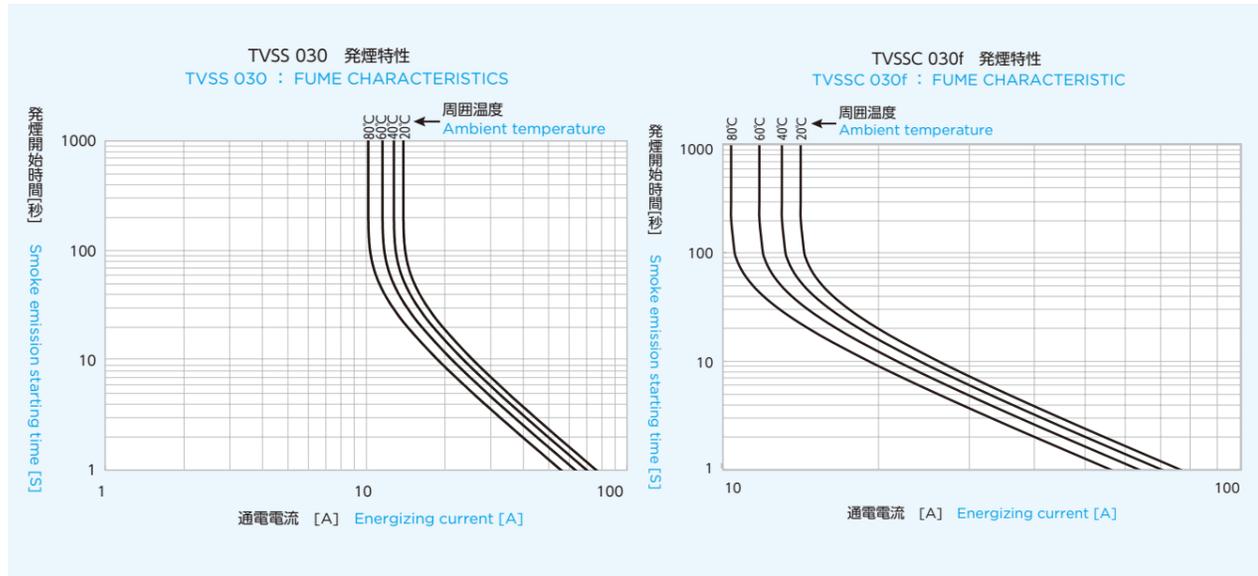
発煙特性 Fume Characteristics

JASO D609による計算値
(Calculated according to JASO D609)



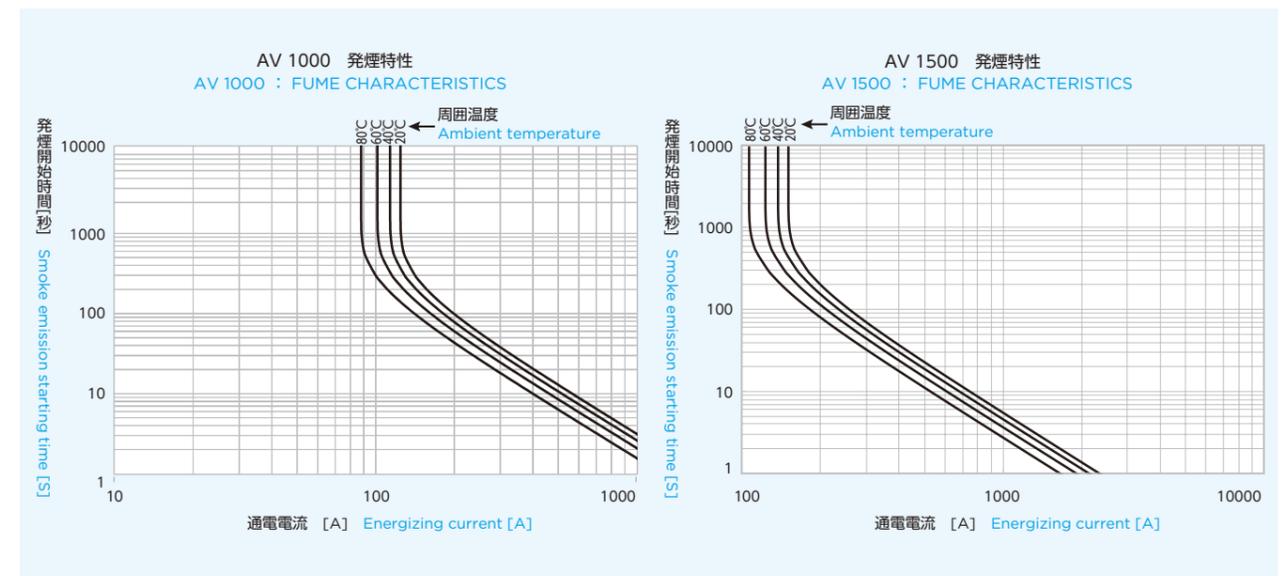
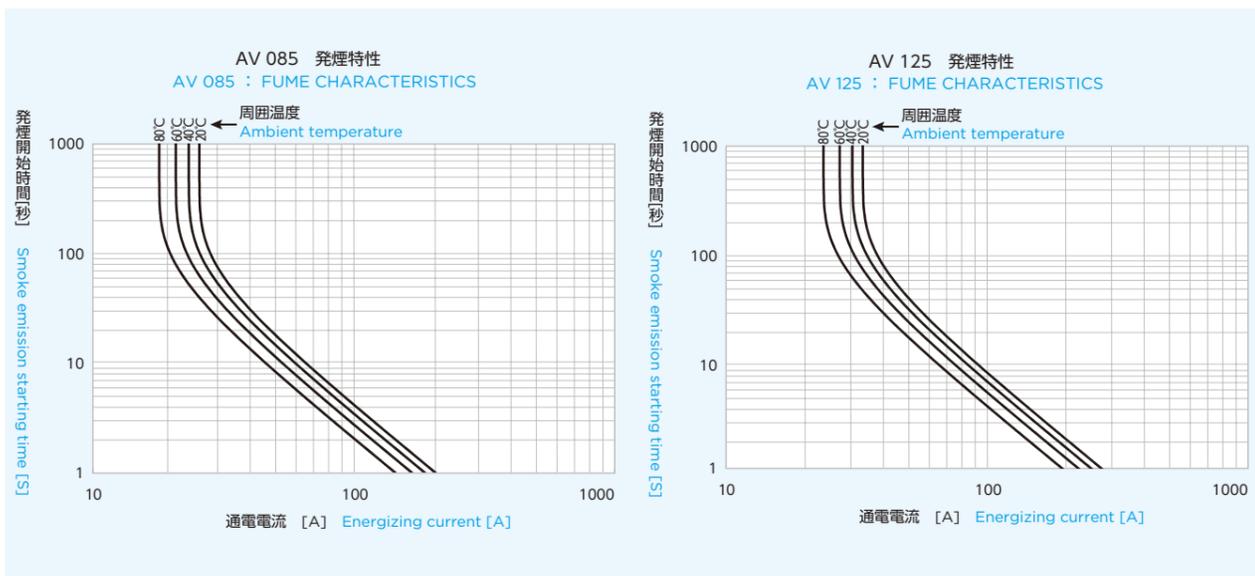
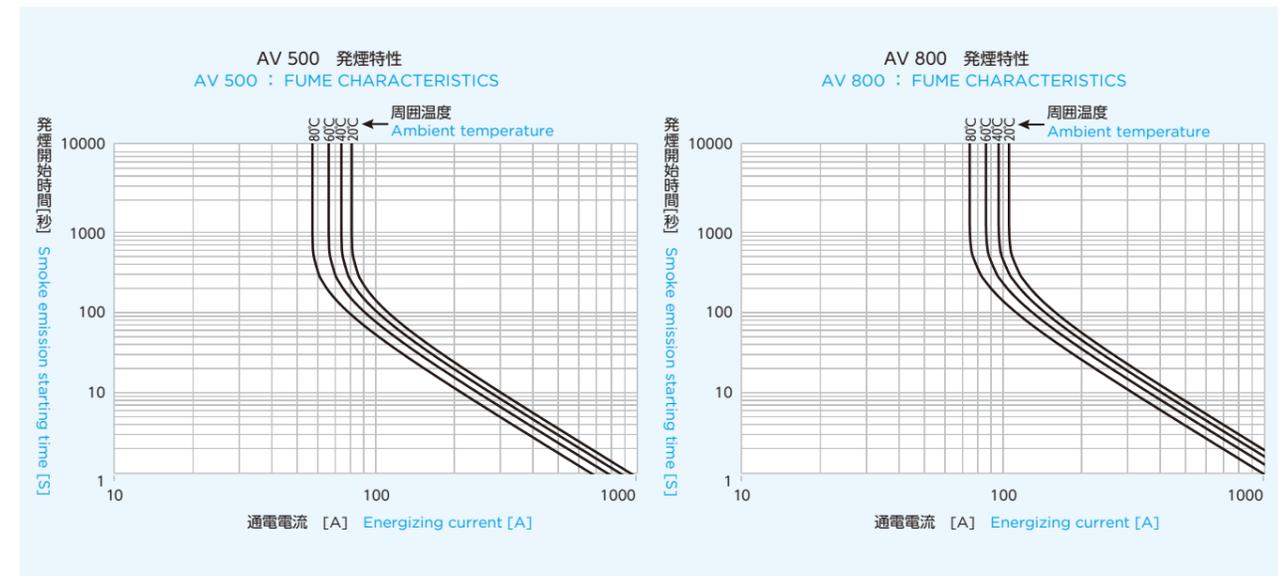
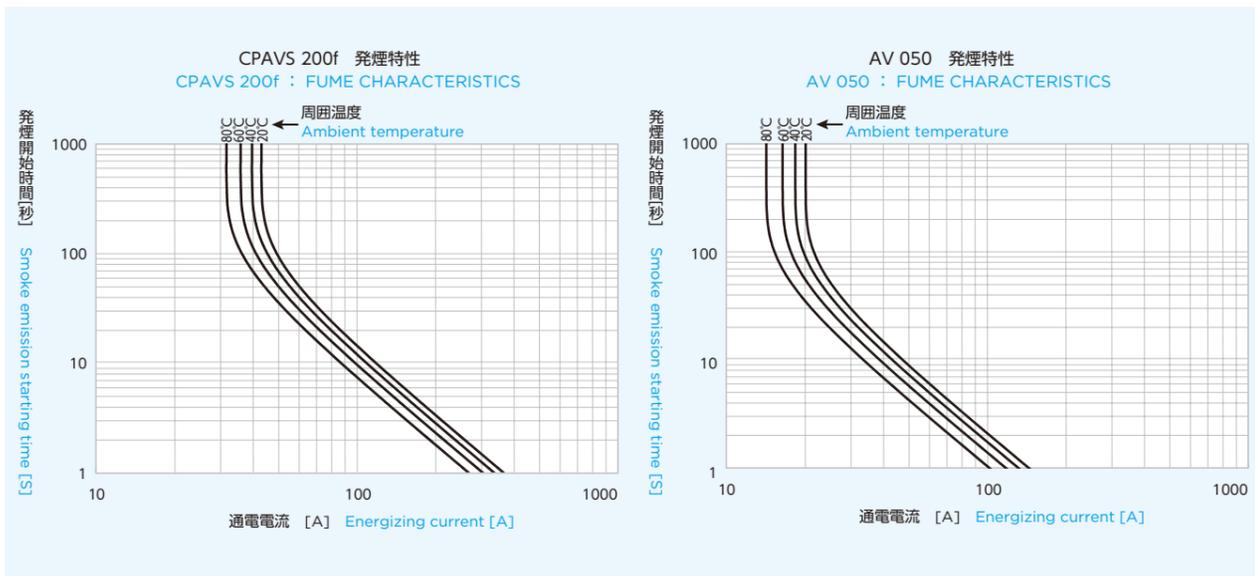
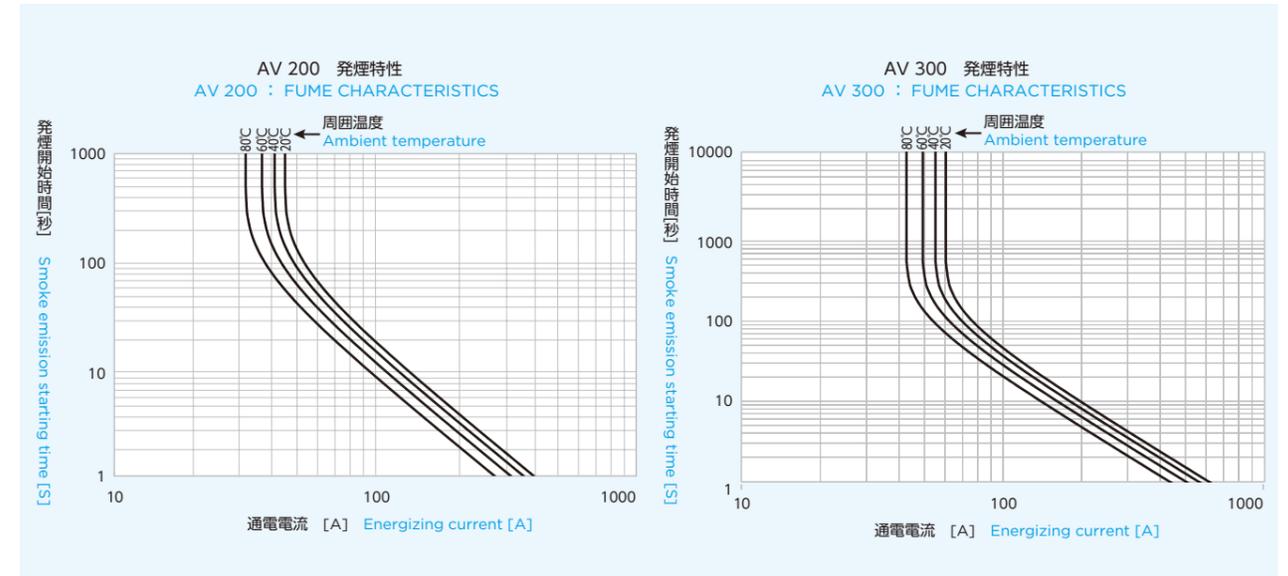
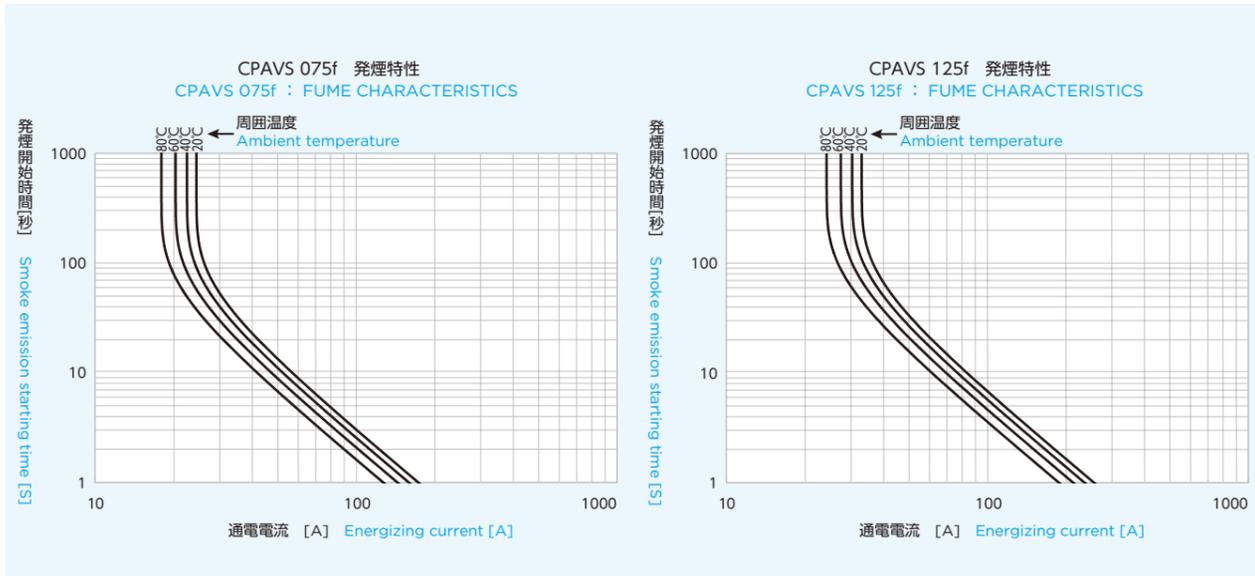
発煙特性 Fume Characteristics

JASO D609による計算値
(Calculated according to JASO D609)



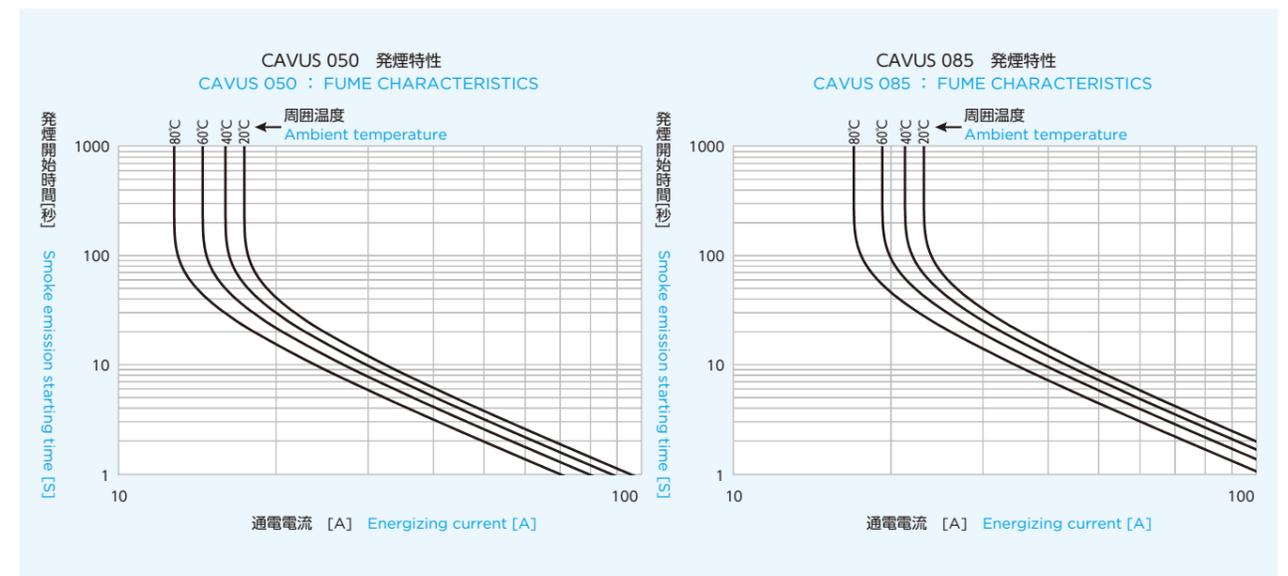
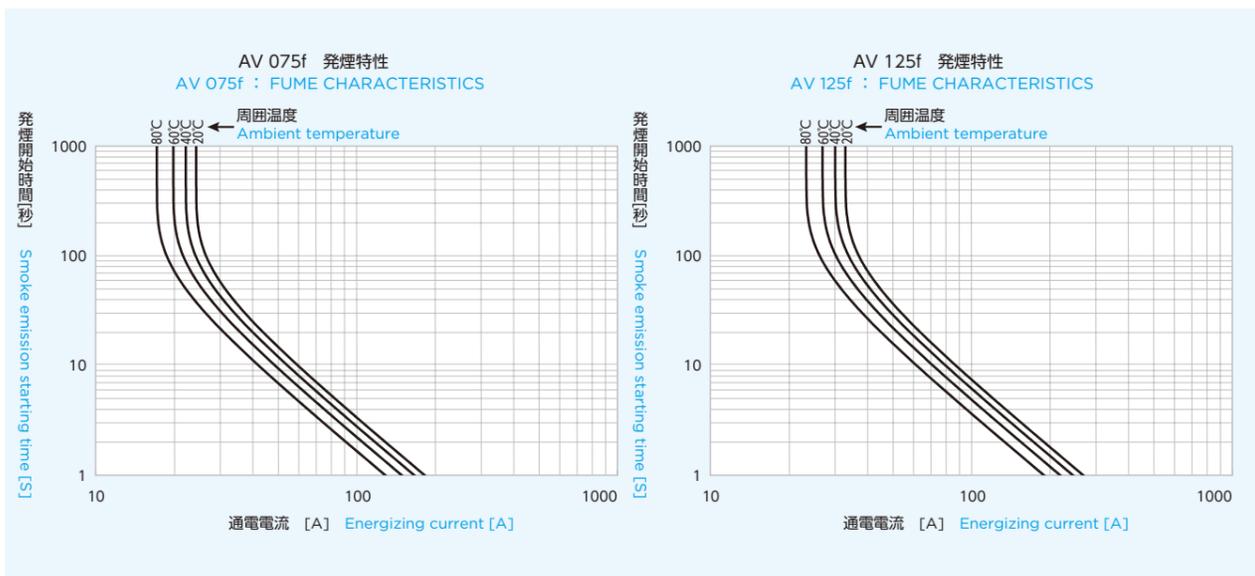
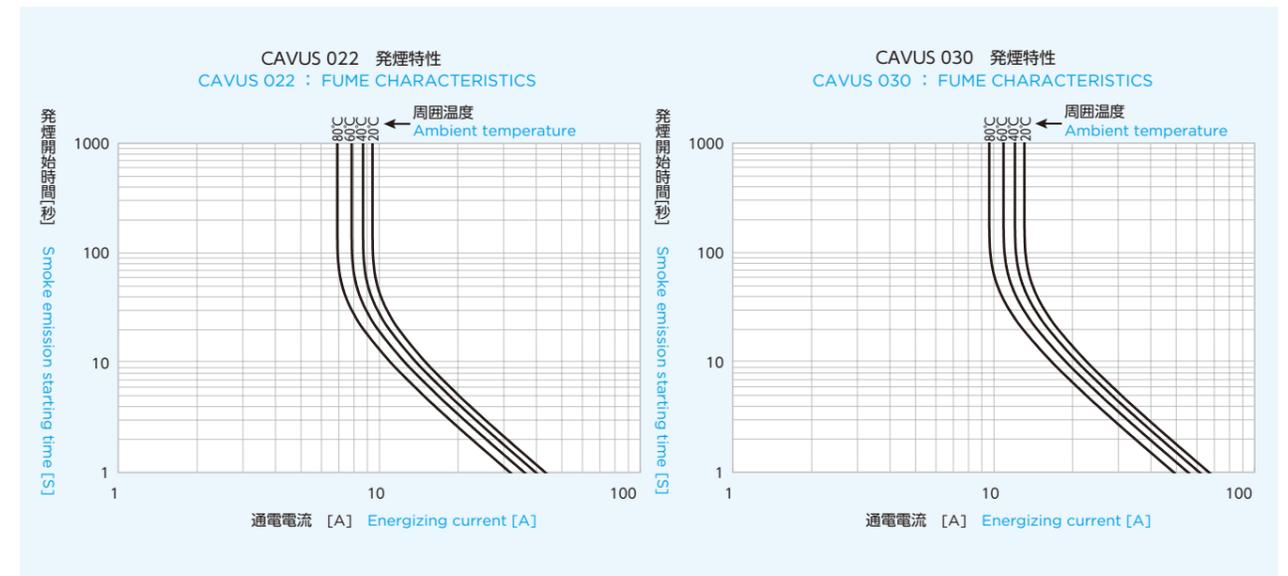
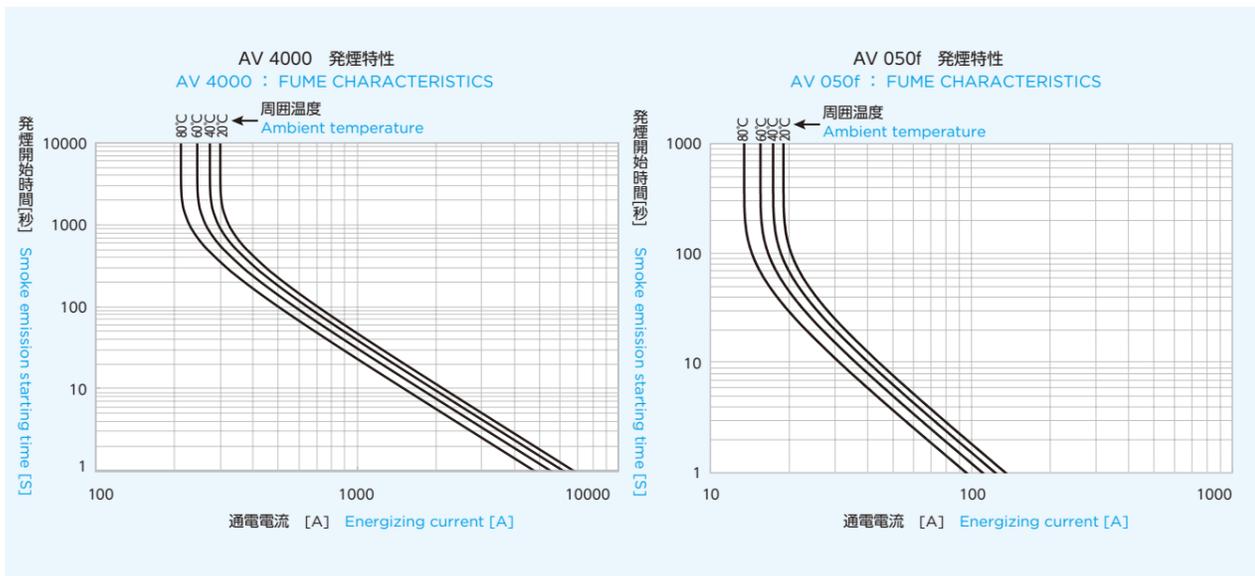
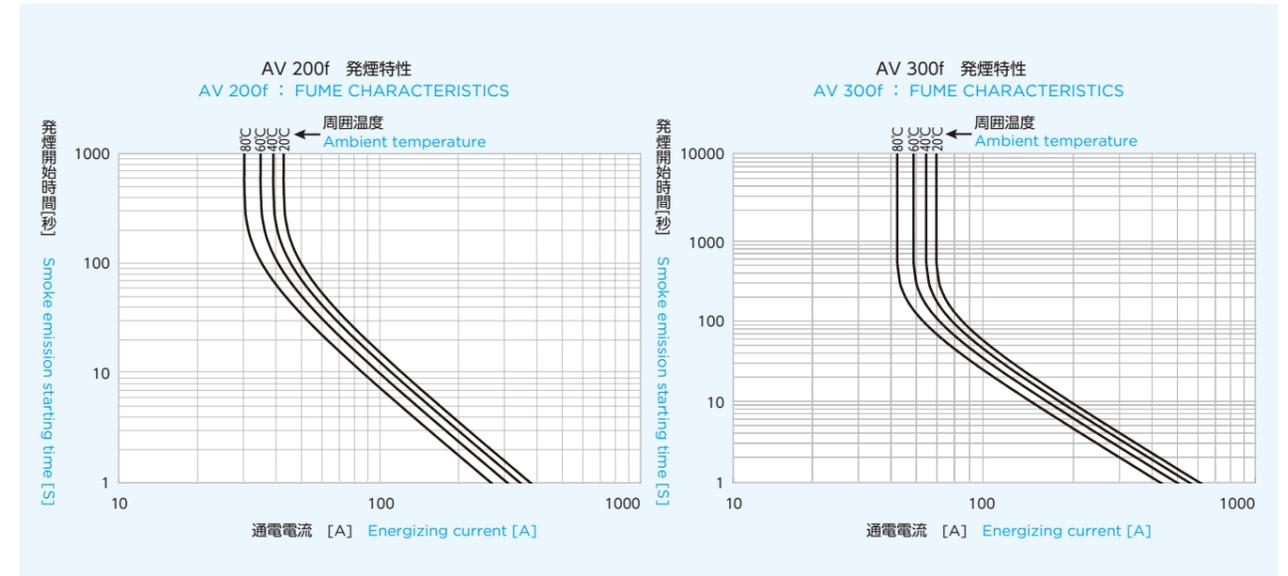
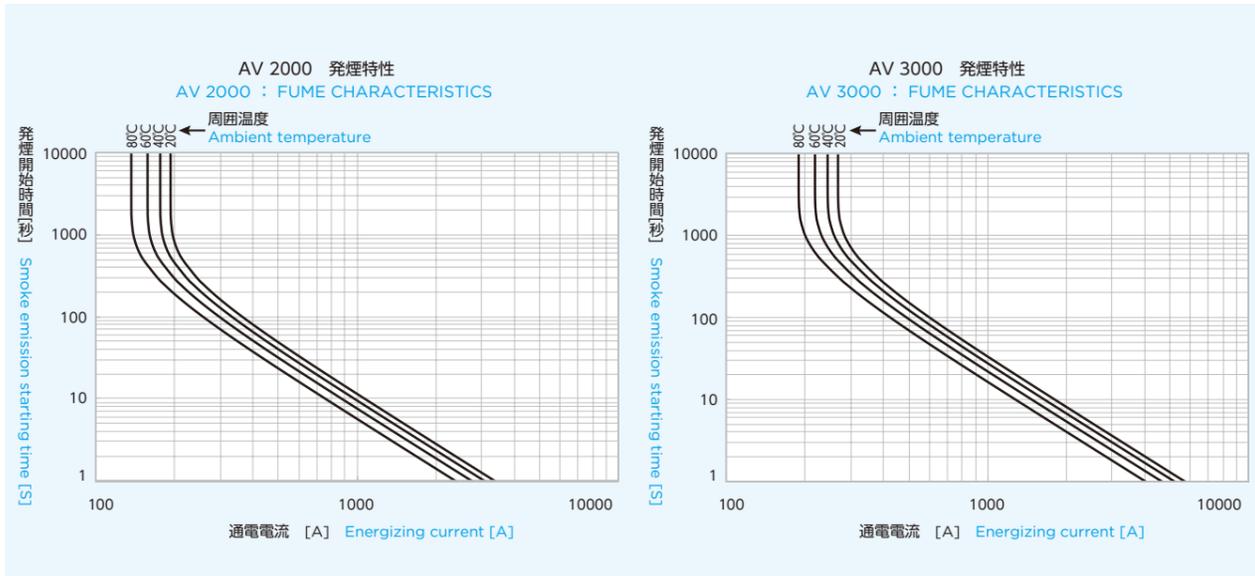
発煙特性 Fume Characteristics

JASO D609による計算値
(Calculated according to JASO D609)



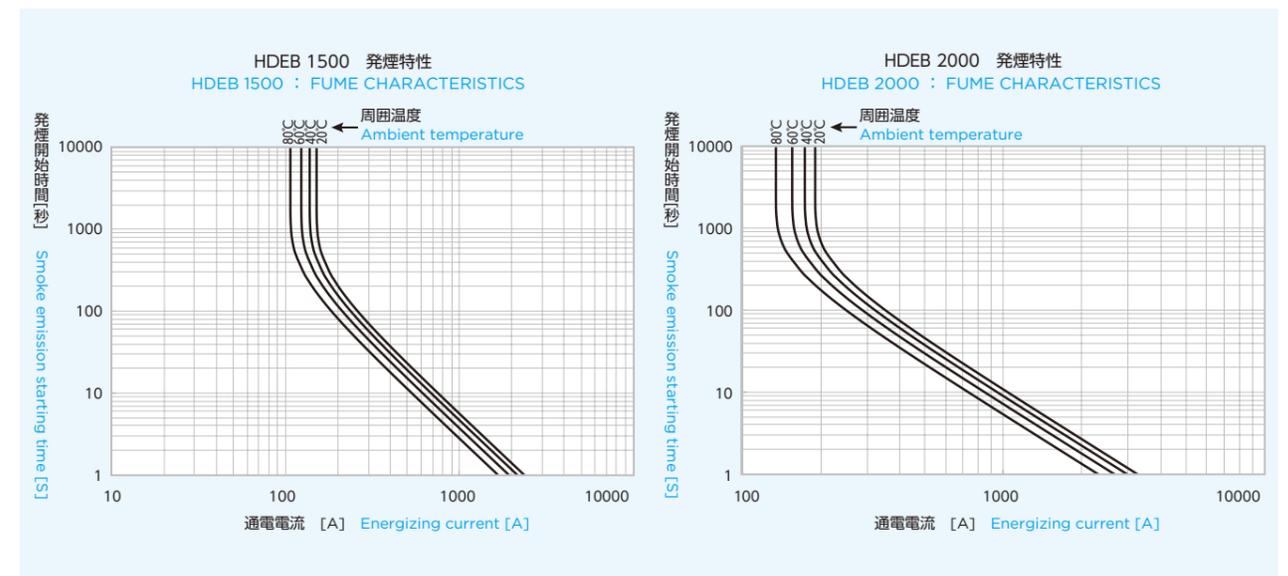
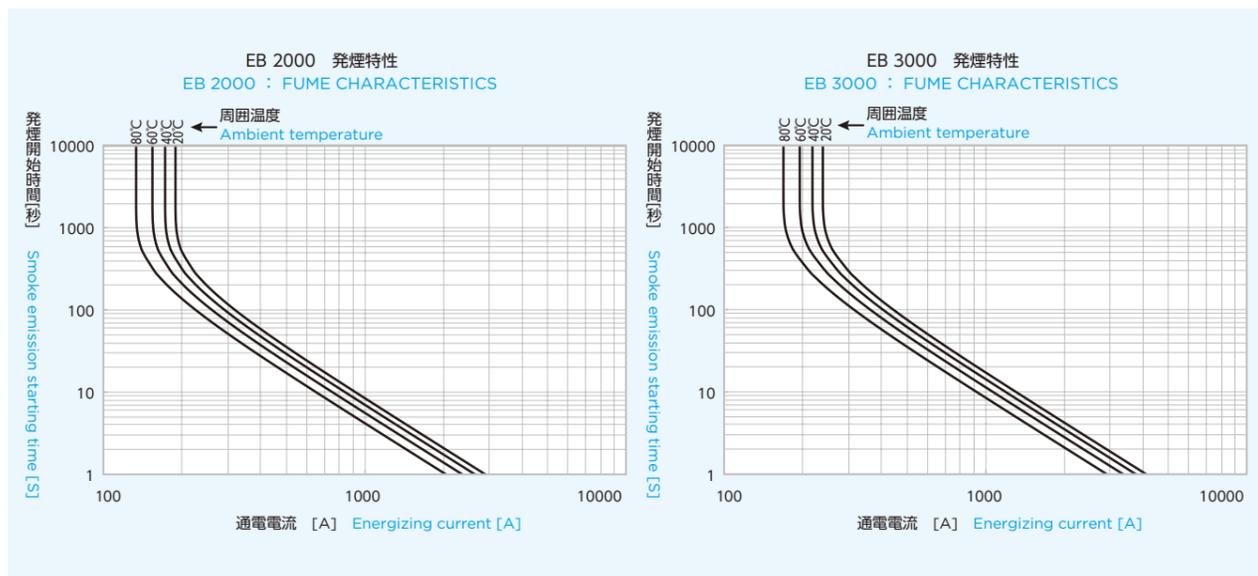
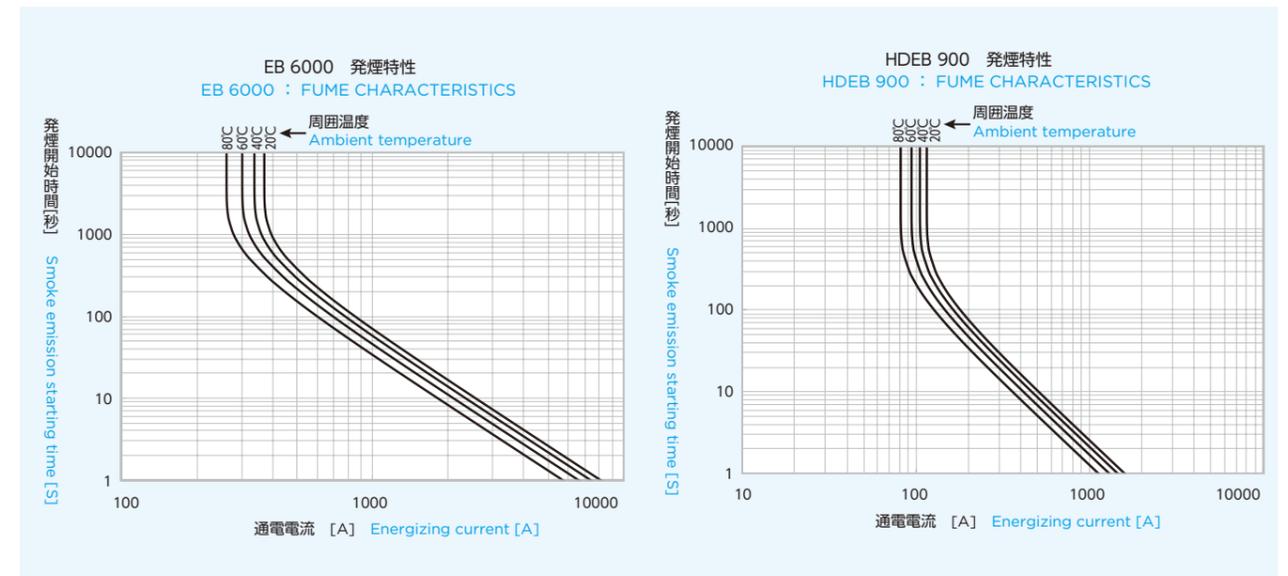
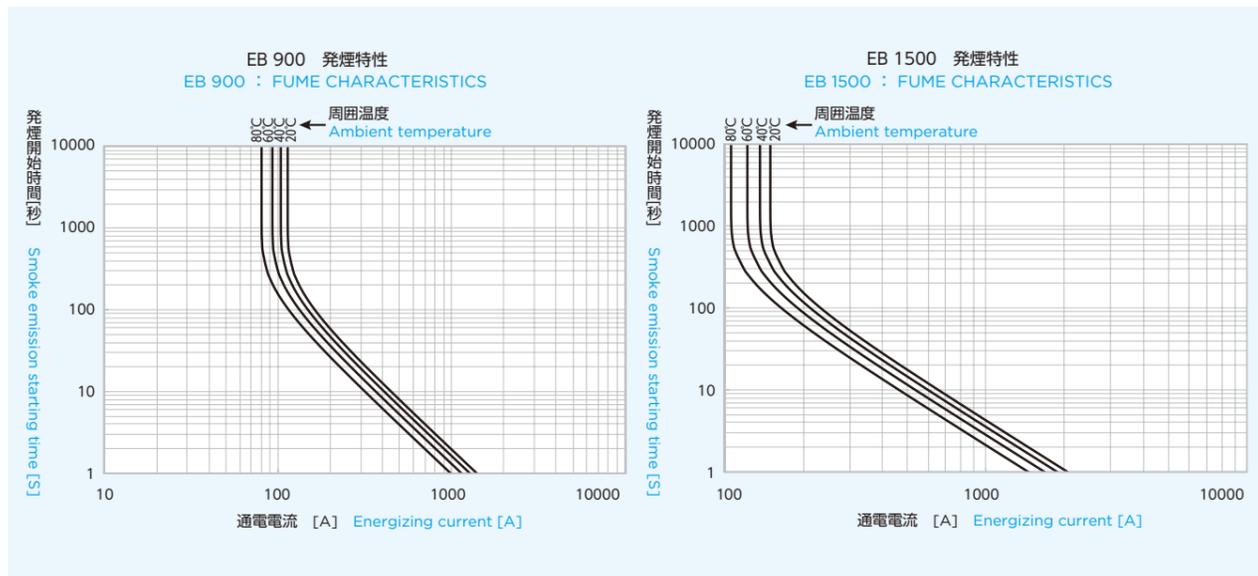
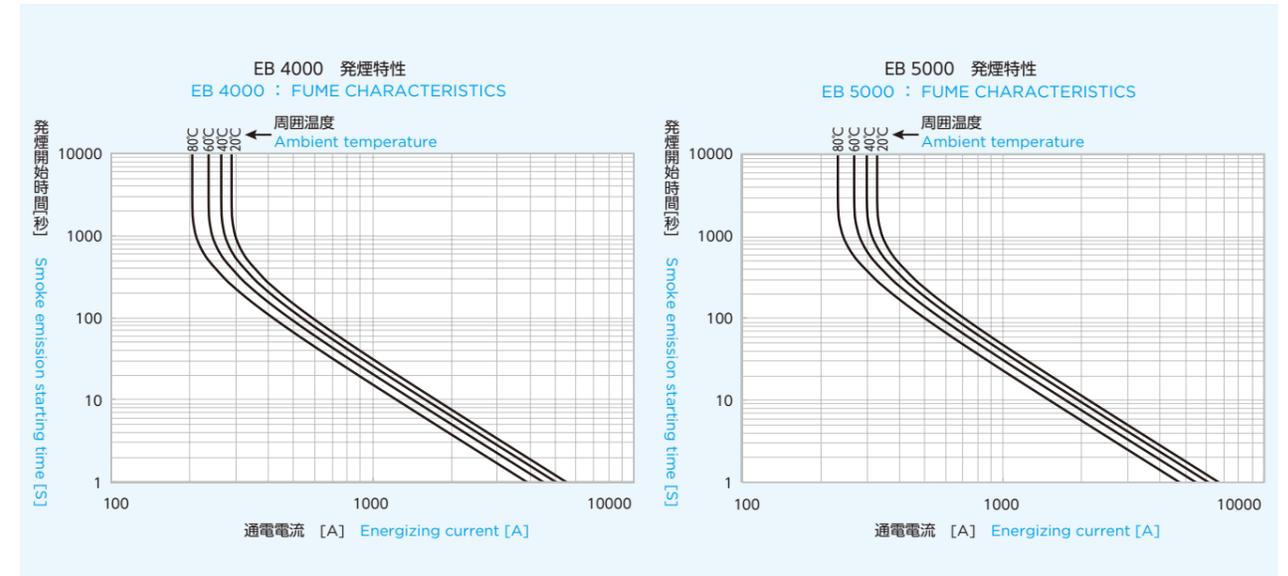
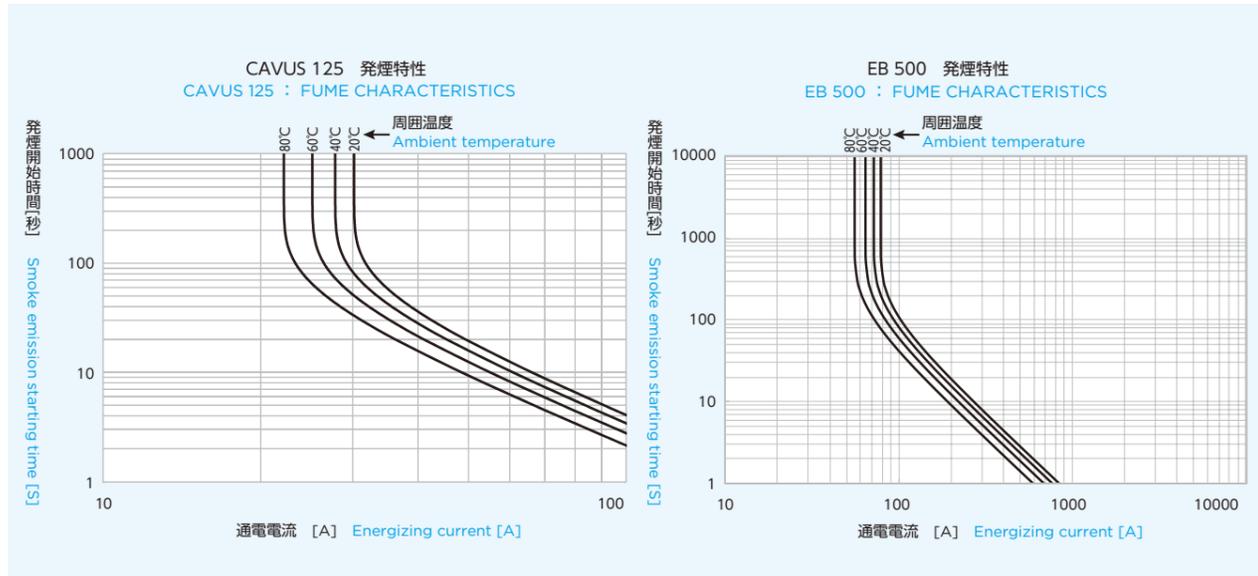
発煙特性 Fume Characteristics

JASO D609による計算値
(Calculated according to JASO D609)



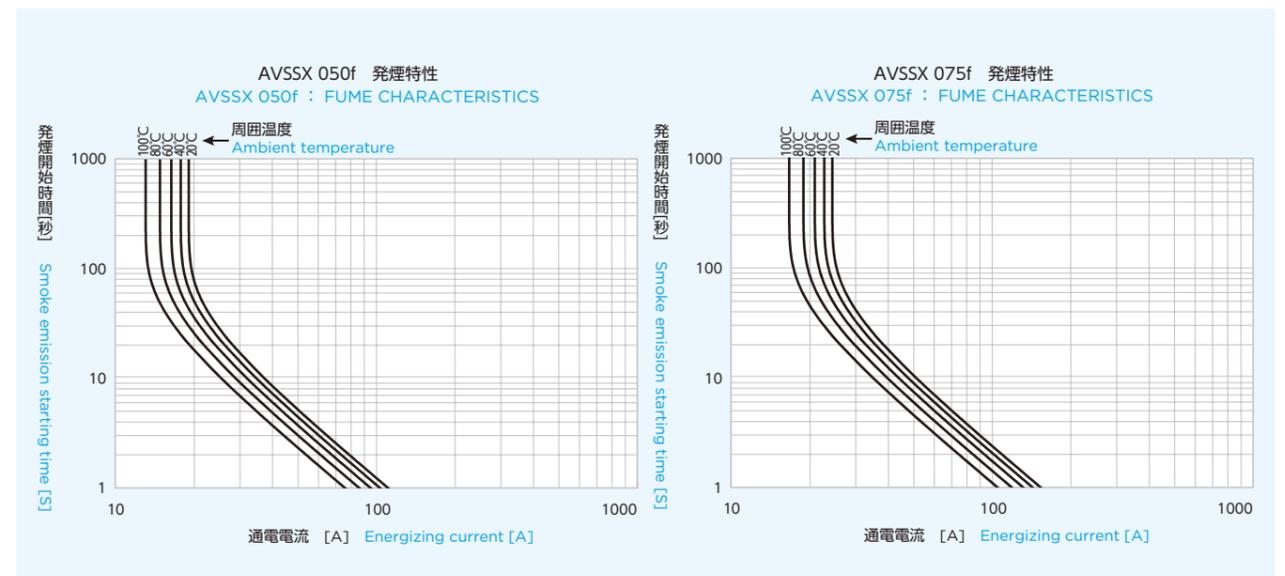
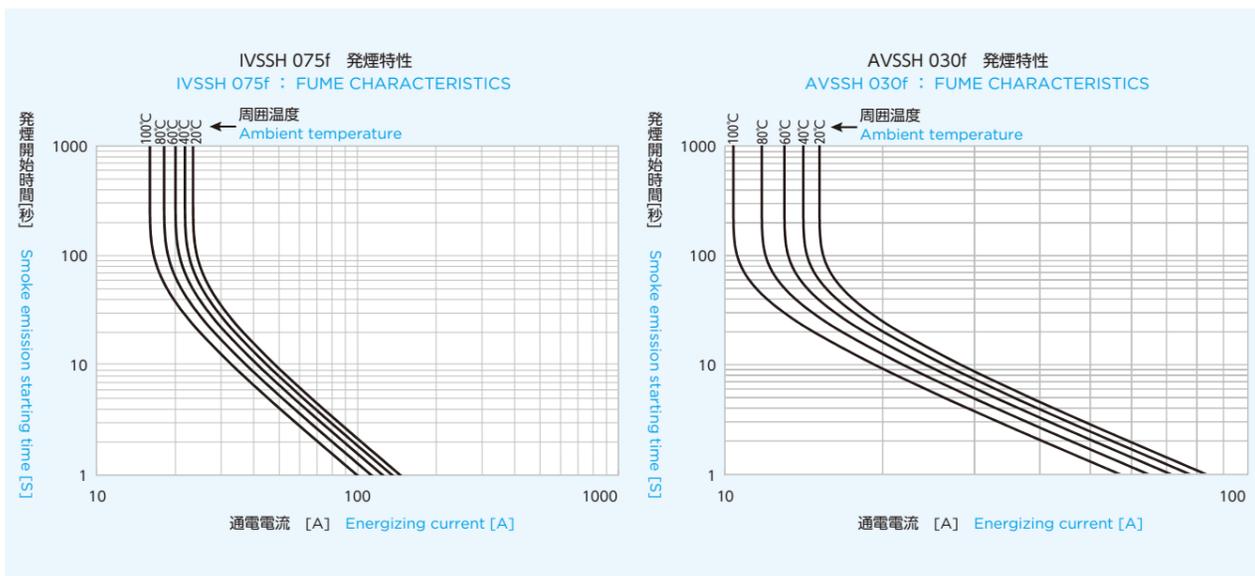
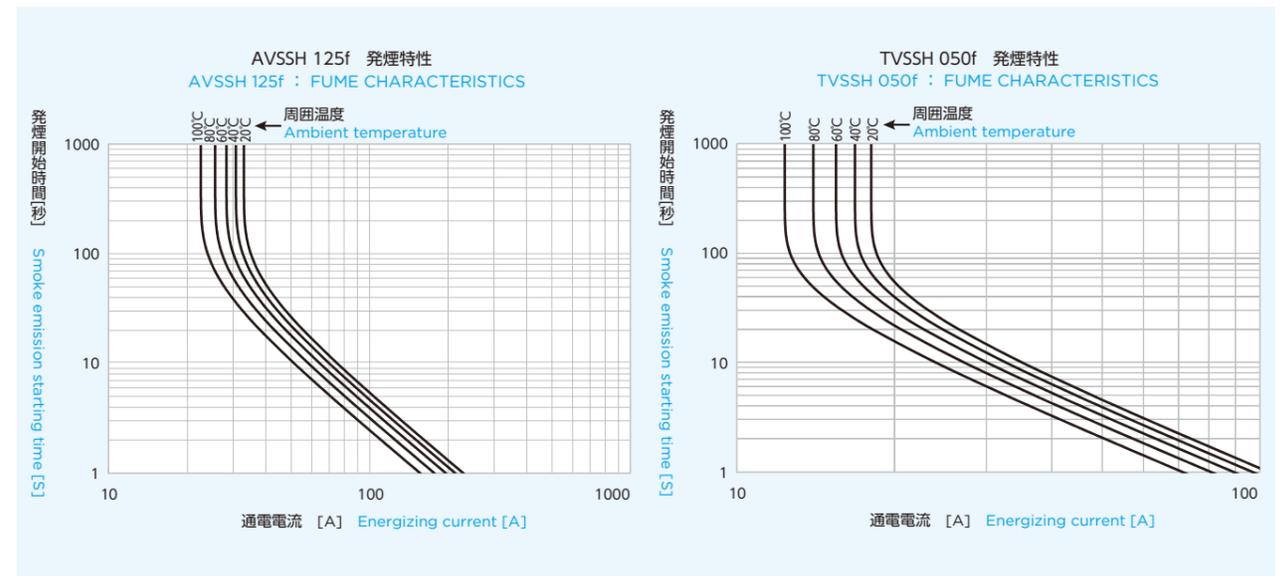
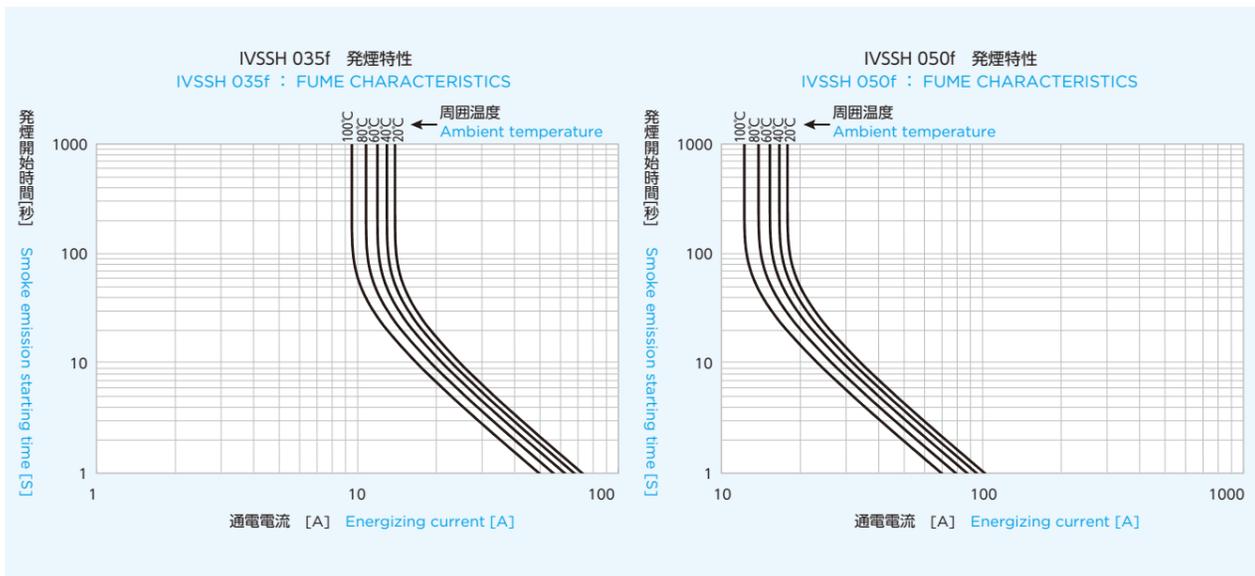
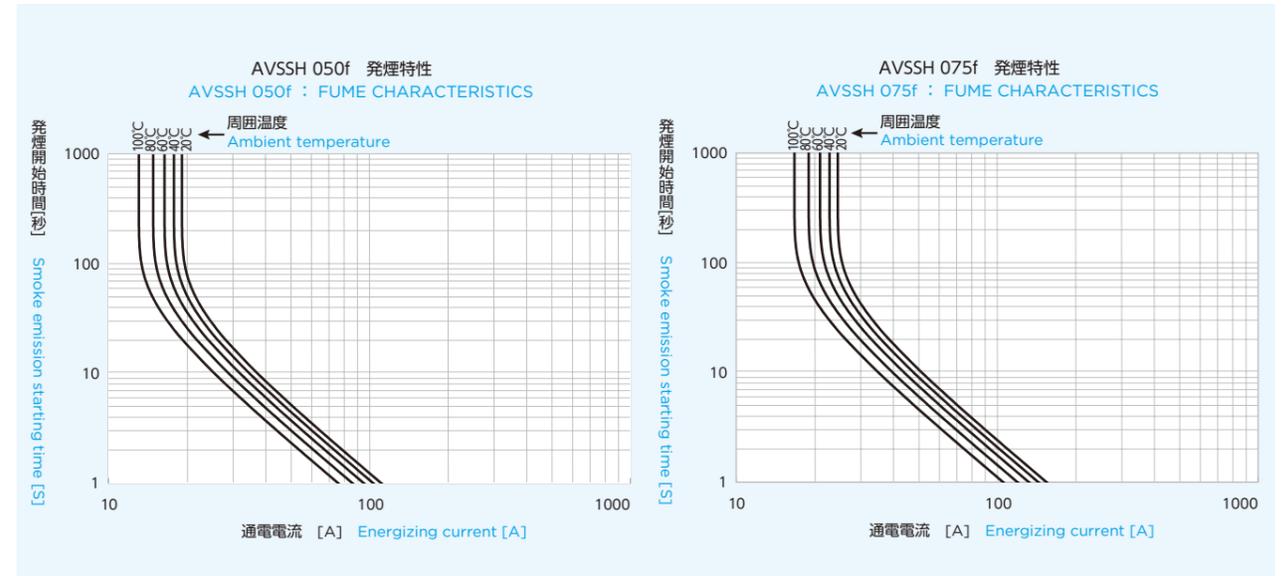
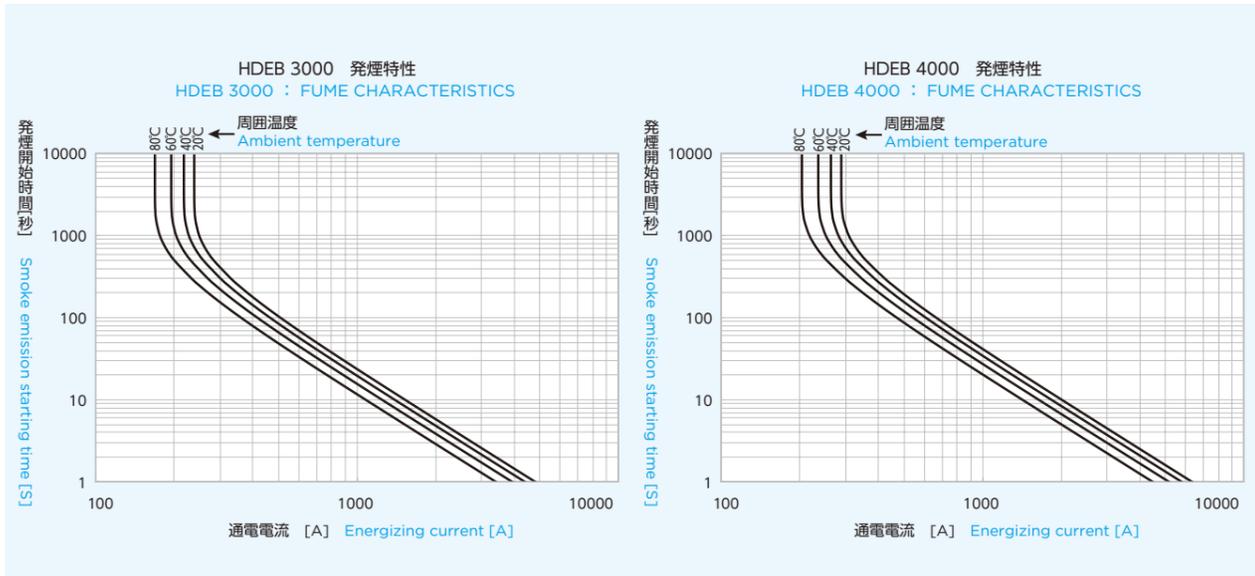
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JASO D609による計算値
(Calculated according to JASO D609)



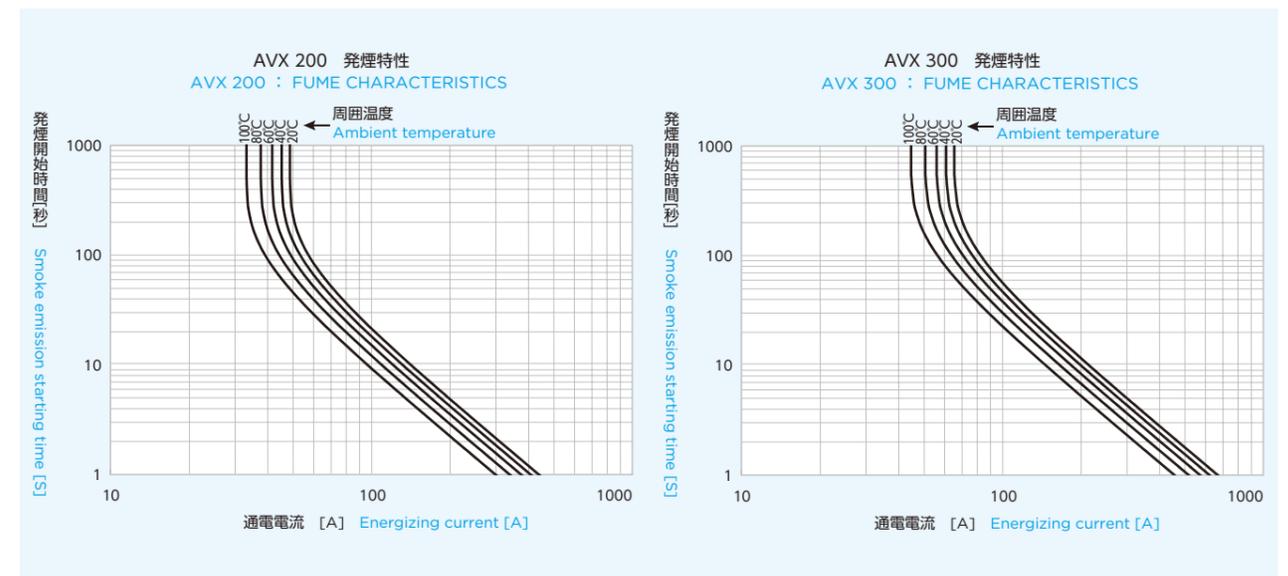
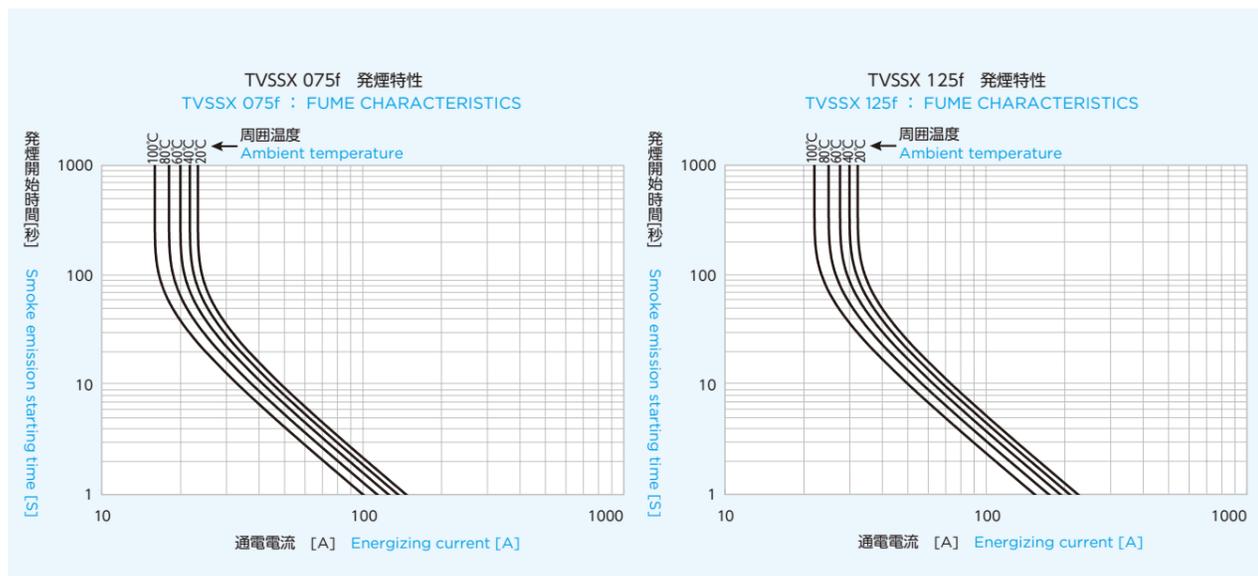
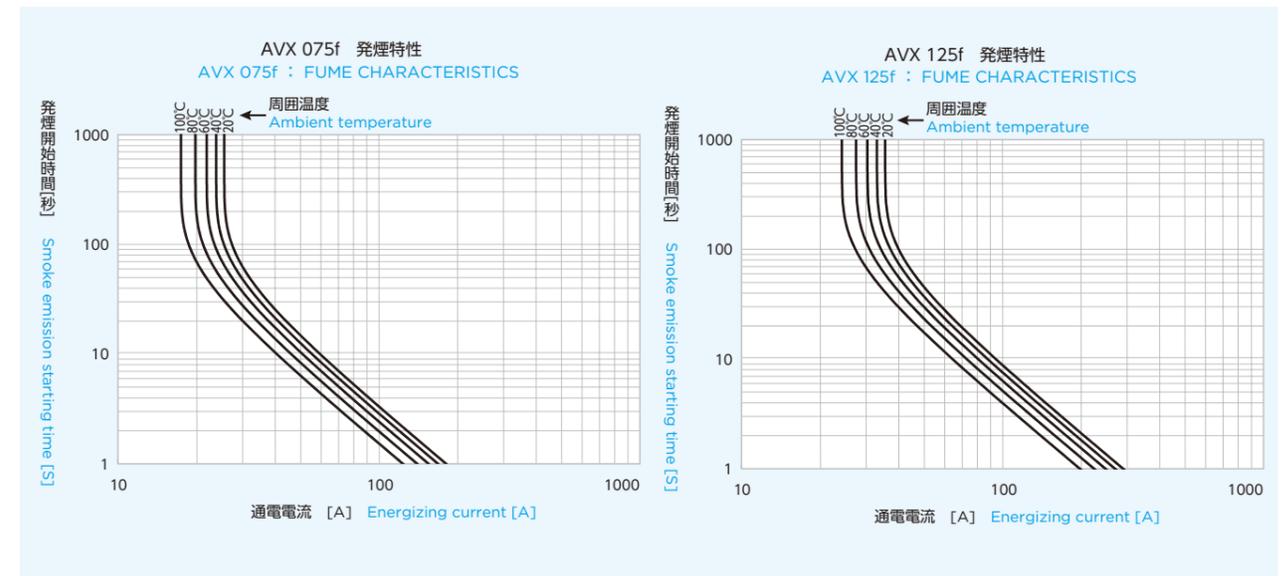
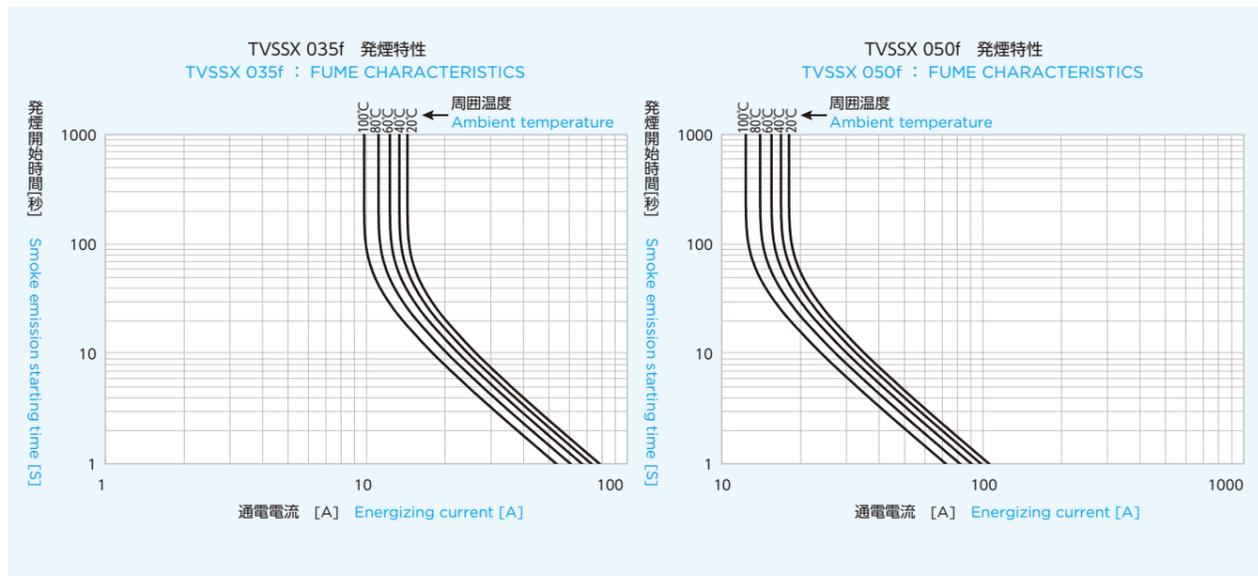
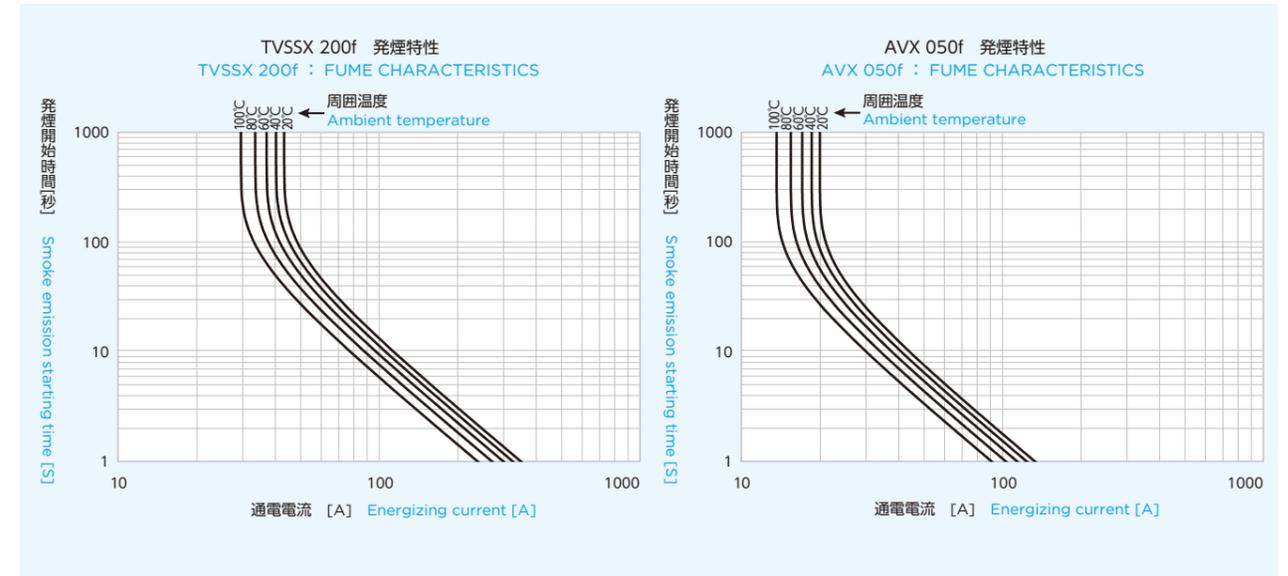
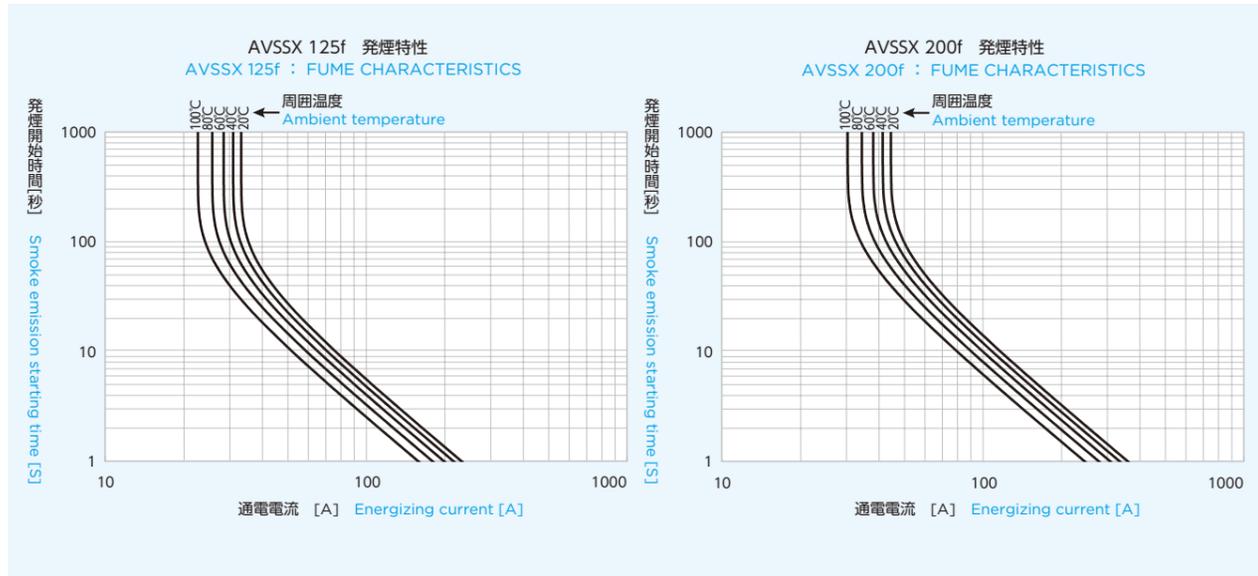
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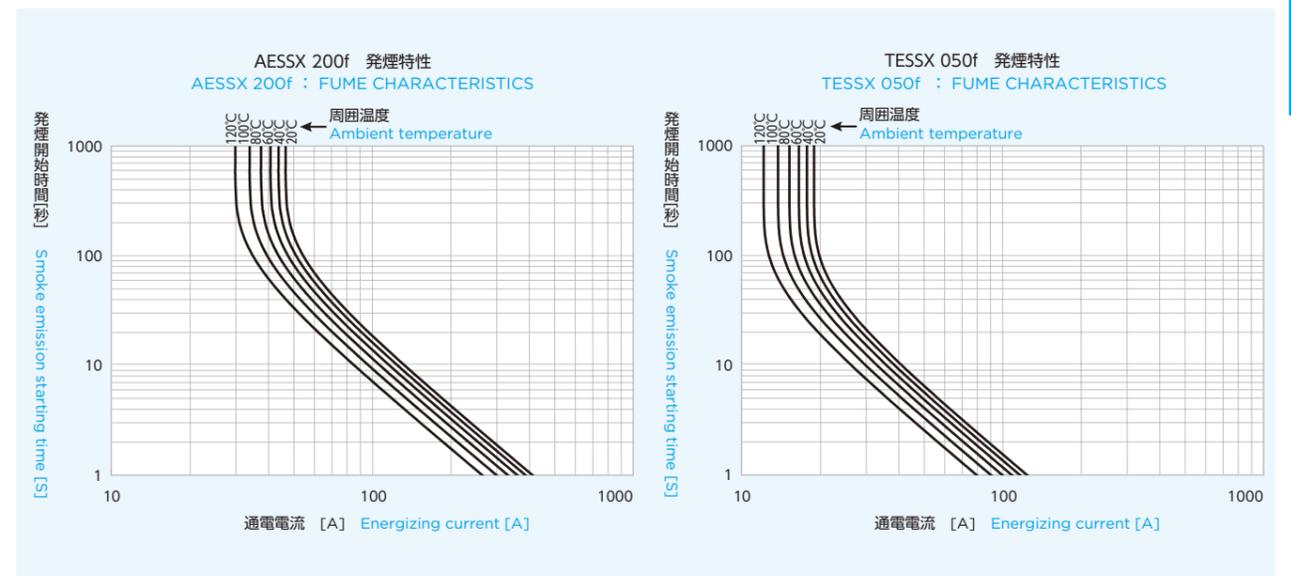
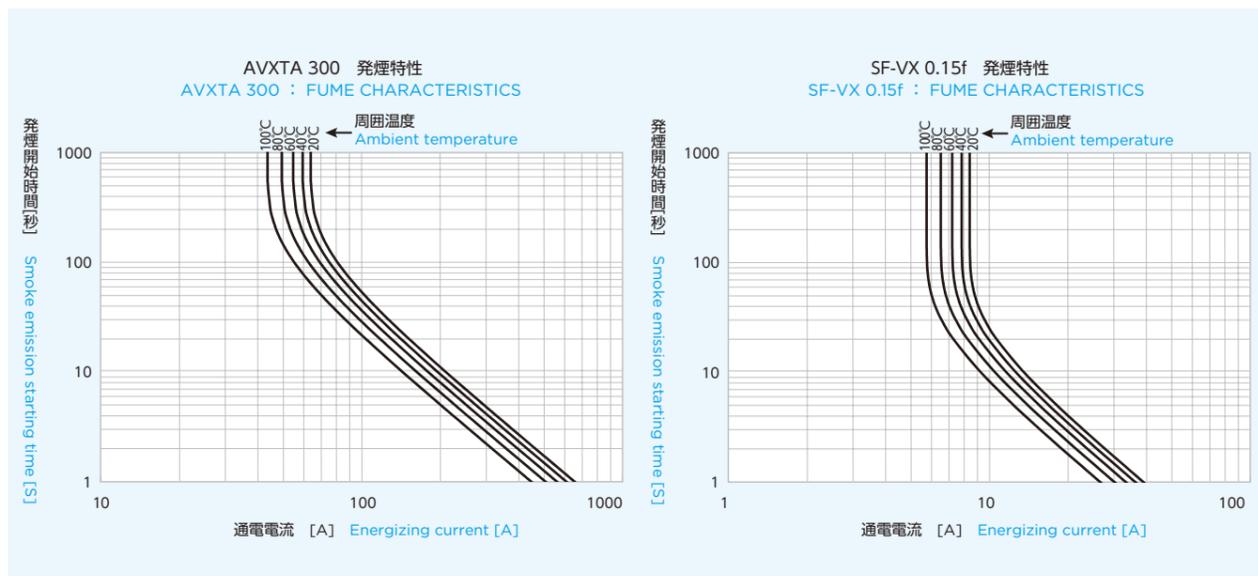
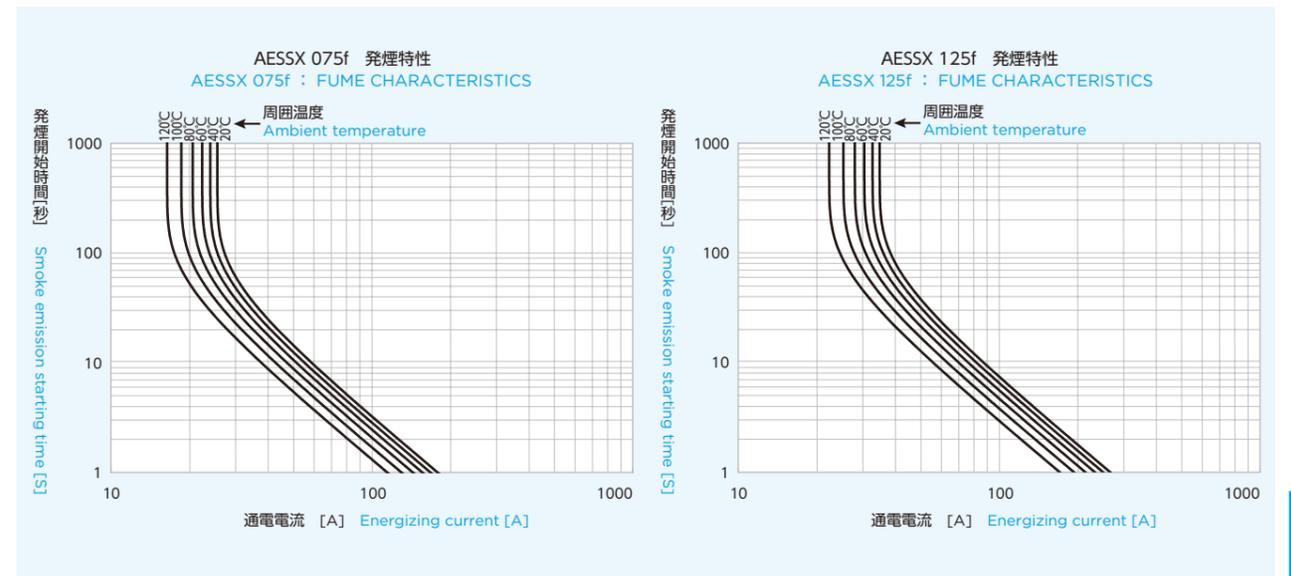
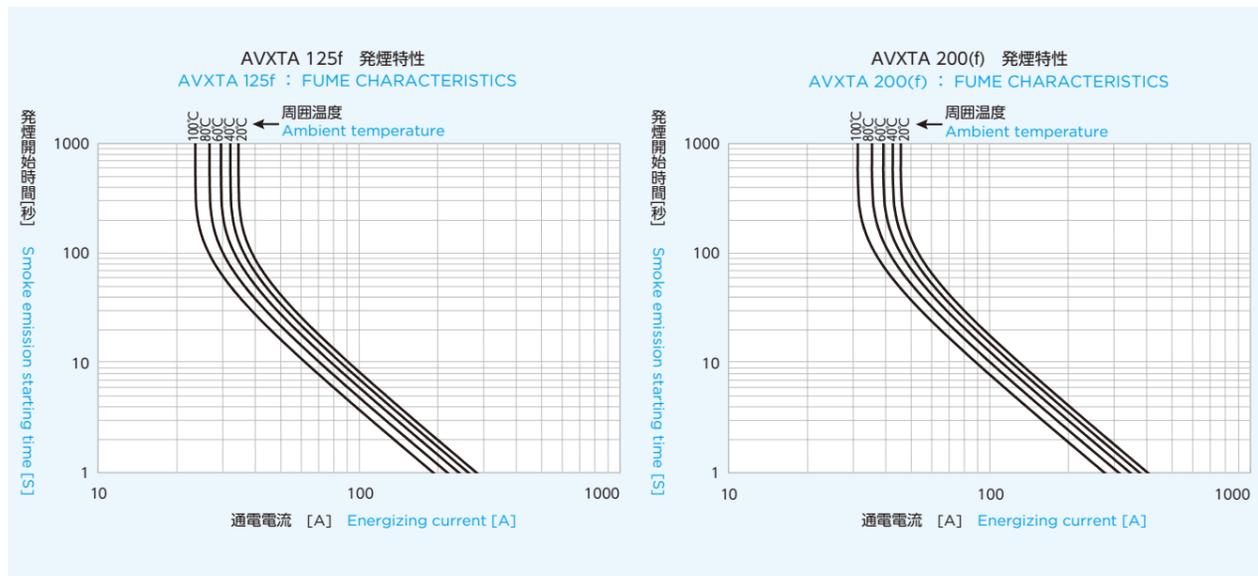
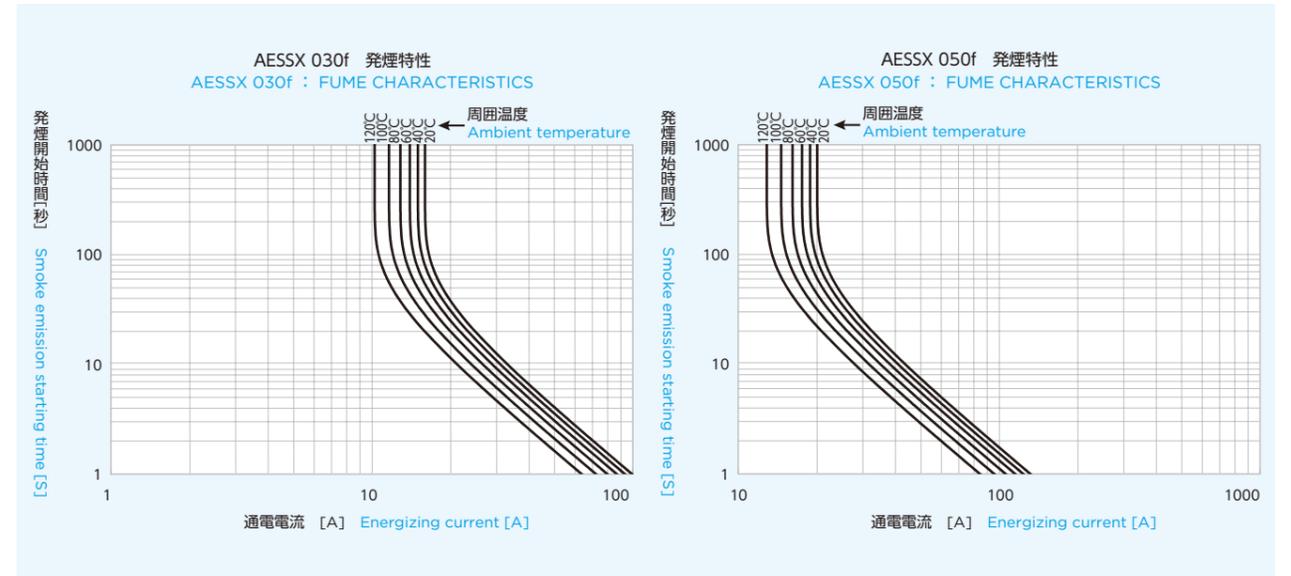
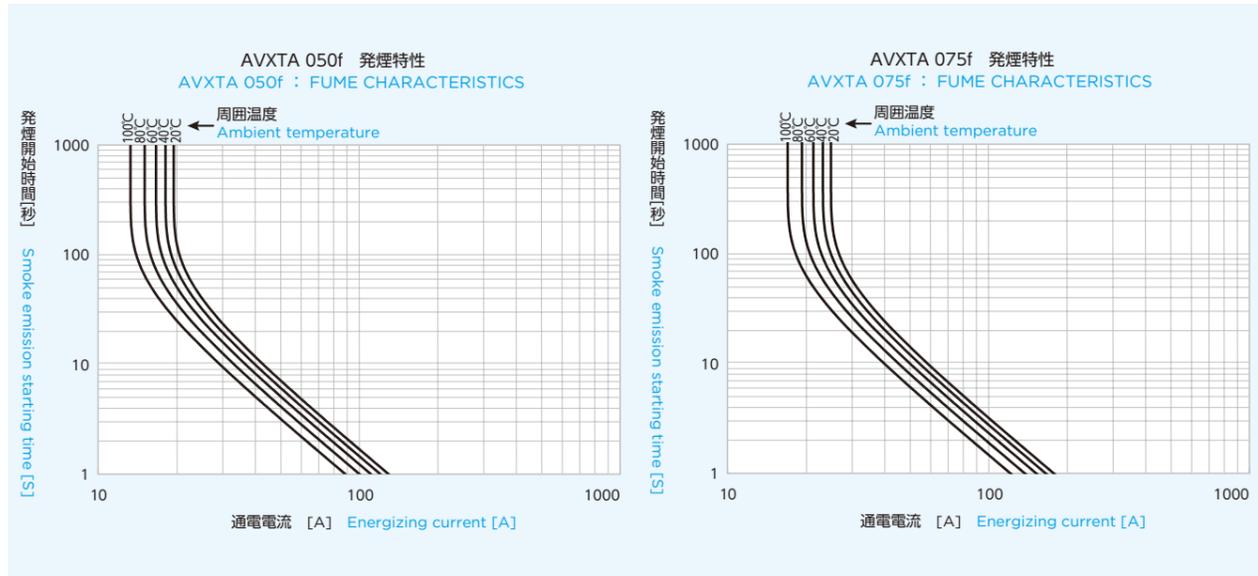
発煙特性 Fume Characteristics

JASO D609による計算値
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発煙特性 Fume Characteristics

JASO D609による計算値
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ISO 9001 認証取得 ISO 9001 CERTIFICATION



JQA-1496 (自動車用低圧電線)
・住友電装株式会社 電線事業本部

JQA-1496 (Low-voltage cables for automobiles)
・Sumitomo Wiring Systems, Ltd. Electric Wire & Cable Group

弊社、電線事業本部は、ISO 9001に基づく品質システムを確実なものとし、常にお客様のご期待・ニーズの把握に努め、製品の設計・開発及び製造を通じて、喜ばれ、信頼される製品をご提供いたします。

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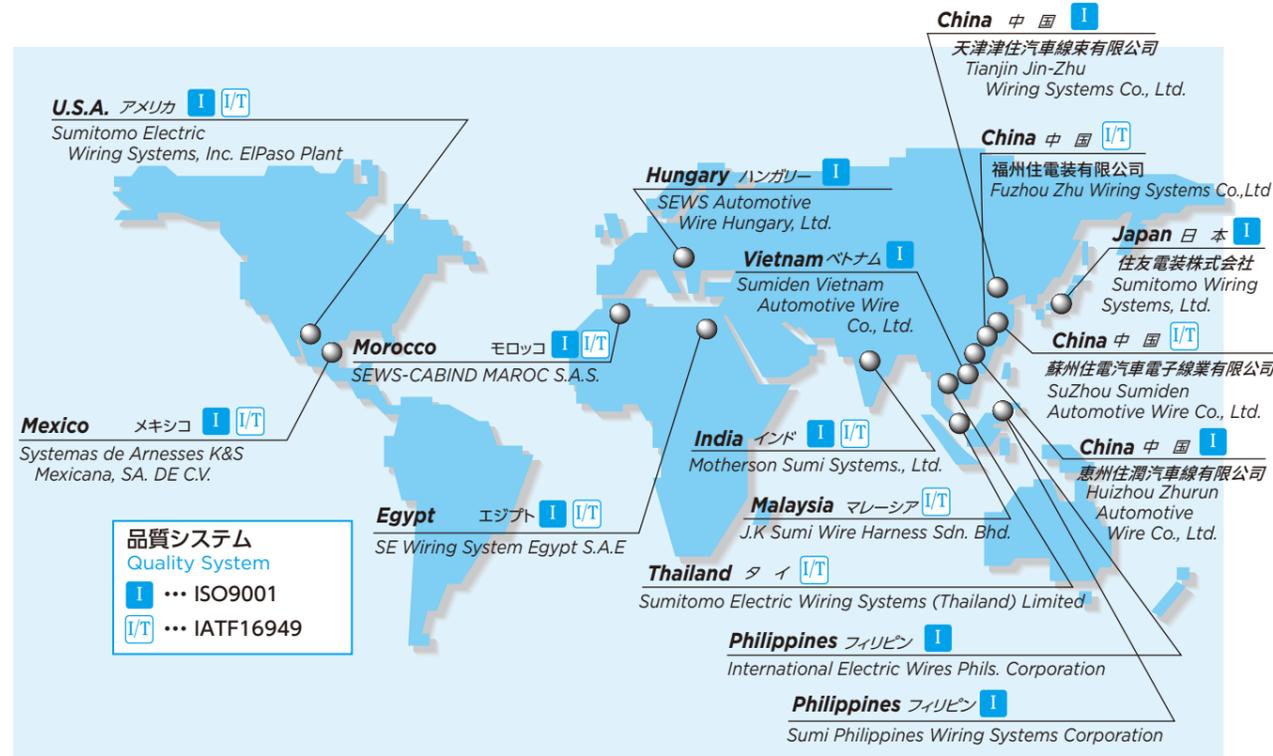
電子カタログ PDF CATALOG

住友電装ホームページの「製品情報」に「自動車用電線カタログ」を掲載中です。

The catalog of Wires and Cables for Automobiles is available in the page of Products on our website below.

<http://prd.sws.co.jp/>

自動車用電線製造拠点 PRODUCTION FACILITIES FOR AUTOMOBILE WIRES / CABLES



Warning 禁止事項

- 許容電流値を越えて使用しないでください。発熱・発火の原因となり、最悪の場合火災の恐れがあります。
- 通電中の電線の導体には触れないでください。感電します。
- 電線をひも・ロープの代わりに使わないでください。
- 電線に圧力を加えないでください。絶縁体の変形して、破損、ショートの原因になります。また、電流量が増えたり、周囲温度や電線の温度が上がると、絶縁体の変形の可能性が高くなります。
- 電線の投げだし等で強い衝撃を与えたり、物の角で押さえつけないでください。電線の性能が劣化します。
- 電線の回路導体が断線したまま使用しないでください。発熱、発火の原因となり、最悪の場合火災の恐れがあります。
- ドラムの突き落とし、平積み、逆回転をしないでください。電線を損傷させる恐れがあります。
- Do not exceed the permissible current. It might cause heat generation or ignition, or fire break in the worst case.
- Do not touch the conductor when applying current to it. You may suffer an electric shock.
- Do not use the wire or cable in place of string or rope.
- Do not apply pressure on the wire. The wire may become deformed and lead to a failure or short circuit. It might increase the chance of a deformation of wire if amperage, ambient temperature or wire temperature is increased.
- Do not give a strong impact to the wire by throwing down or put anything on the wire. The wire may deteriorate in performance.
- Do not use the wire with a broken circuit conductor. It might cause heat generation or ignition, or fire break in the worst case.
- Handle the drum carefully without dropping, stacking or rotating negatively. It may cause a wire breakage.

Caution ご使用上の注意

- 本カタログに掲載した性能を表す数値は電線単体のもので、実際の使用環境での性能を保証するものではありません。
- 電線をご使用の際は、環境・布設条件の下で安全の保証される電流値などの性能の数値を必ずご確認ください。
- 電線を廃棄する際は、法律に沿った産業廃棄物処理方法を遵守ください。
- All information on wire performances in this catalog is provided by the simple-piece wire test only and is no guarantee of usage in the actual environment.
- Before using wires and cables, make sure to confirm the information on each wire performance assuring the safety under conditions of environment and installation, especially a permissible current.
- Follow the instructions of industry waste disposal in conformity with the law when disposing of wires and cables.
- ◆ ご不明な点、製品の詳しい仕様・性能は、弊社営業担当にお問い合わせください。
- ◆ 本仕様は品質向上のため予告なく変更することがあります。
- ◆ For any questions or more detailed information on the product specifications and performances, please contact our sales department.
- ◆ In the interest of quality improvement, the specifications are subject to change without notice.

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Room 1501-1506, Tower B, City Center of Shanghai, 100 Zunyi Rd.,
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