

ULリスティング規格(CL-3)対応 耐ノイズ・耐油性電源ケーブル

Noise immune and oil resistant power cable adaptable to CL3 : UL listed

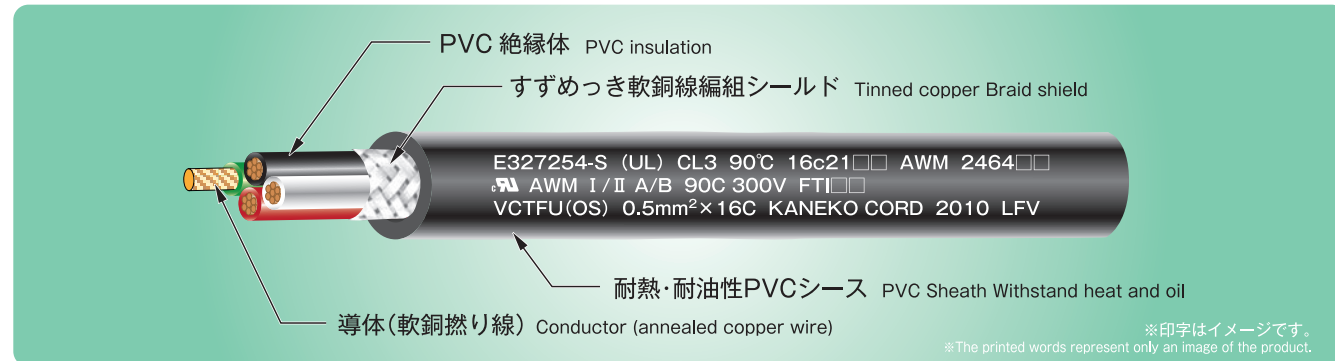
VCTFU(OS) シリーズ SERIES



シールド shield
耐油性 Oil resistance
RoHS対応品 RoHS complete

VCTFU(OS) SERIES

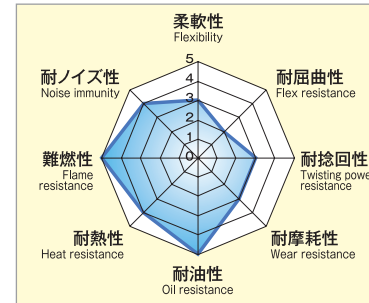
構造図 Construction figure



特長 Characteristics

- CL3:ULリステッド、C-UL、(PS)E対応。
- 耐ノイズ性を考慮したシールド付ケーブル。
- シース材に高性能耐油性PVCを採用。
- 油が飛散する工作機械への配線に最適。
- 低温域-30℃~高温域90℃対応。
- 定格電圧/0.3~0.5mm²は100V未満、0.75~3.5mm²は300V。
- Adaptable to CL3:UL listed、C-UL、and (PS)E.
- Shielded cable in consideration of noise immunity.
- Sophisticated oil resistant PVC adopted onto sheath materials.
- Best suited for wiring of oil littering machine tools.
- Applicable to the low- and high-temperature range (-30℃~90℃).
- Rating voltage / 0.3~0.5mm² : Less than 100V, 0.75~3.5mm² : 300V.

特性グラフ Features graph



シース色 Sheath color

- 黒 Black

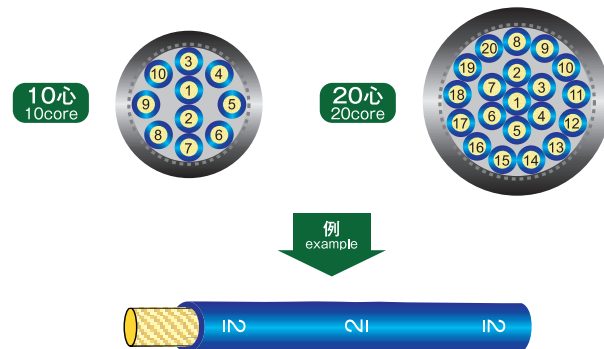
心線識別 Insulation color

■ A タイプ心線識別(ドットマーク識別)
Core Wire Identification Type A (identified by dots)

| | | |
|------------|---------|----------|
| 1 黒 | 2 白 | 3 赤 |
| 4 緑 | 5 青 | 6 黄 |
| 7 茶 | 8 桃 | 9 空 |
| 10 橙 | 11 紫 | 12 灰 |
| 13 若草 | 14 クリーム | 15 黒(銀) |
| 16 白(黒) | 17 赤(黒) | 18 緑(黒) |
| 19 青(黒) | 20 黄(黒) | 21 茶(黒) |
| 22 桃(黒) | 23 空(黒) | 24 橙(黒) |
| 25 紫(黒) | 26 灰(黒) | 27 若草(黒) |
| 28 クリーム(黒) | 29 白(赤) | 30 緑(赤) |

■ B タイプ心線識別(ナンバリング識別)
Core Wire Identification Type B (identified by numbering)

●5心以上がナンバリング識別(○内数字は青色絶縁体上の白色ナンバリングを示す)
More than 5 cores identified by numbering (The number inside ○ indicates white numbering on blue insulators.)



品名 Product name

■ VCTFU(OS) □□ × △△ (○)

- ① □□ : mm²(0.3~3.5)
- ② △△ : 心線(2~30)
Core
- ③ ○ : 心線識別(A or B)
Core Identification

VCTFU(OS)シリーズ ラインナップ Line-up

| 品名 product name | 心数 number | 導体 conductor | | 絶縁体 insulation | | シールド shield 種類 type | シース sheath 厚さ(mm) thickness | 仕上り Finished form 外径(mm) diameter | 電気特性 Electrical Characteristics | | | 許容電流(A) allowable ampacity |
|--------------------|--------------|------------------------------|----------------------------------|--------------------|---------------------|------------------------------|---|--|------------------------------------|--|--|----------------------------------|
| | | 面積(mm ²) area | 構成(本/mm) structure | 外径(mm) diameter | 厚さ(mm) thickness | | | | 外径(mm) diameter | 導体抵抗 (Ω/km) conductor resistance | 絶縁抵抗 (MΩ/km) insulation resistance | |
| VCTFU(OS)0.3×2 | 2 | 0.3 | 12 / 0.18 裸軟銅線 bare copper | 0.7 | 0.4 | 1.5 | すずめっき 軟銅線編組 tinned copper shield braid | 5.5 | 62.9 | 10 | 1000V | 6.1 |
| VCTFU(OS)0.3×3 | 3 | | | | | | | 5.7 | | | | 5.3 |
| VCTFU(OS)0.3×4 | 4 | | | | | | | 6.1 | | | | 4.7 |
| VCTFU(OS)0.3×5 | 5 | | | | | | | 6.4 | | | | 4.3 |
| VCTFU(OS)0.3×6 | 6 | | | | | | | 6.8 | | | | 4.0 |
| VCTFU(OS)0.3×7 | 7 | | | | | | | 6.8 | | | | 3.9 |
| VCTFU(OS)0.3×8 | 8 | | | | | | | 7.3 | | | | 3.5 |
| VCTFU(OS)0.3×10 | 10 | | | | | | | 8.3 | | | | 3.3 |
| VCTFU(OS)0.3×12 | 12 | | | | | | | 8.5 | | | | 2.8 |
| VCTFU(OS)0.3×16 | 16 | | | | | | | 9.5 | | | | 2.4 |
| VCTFU(OS)0.3×20 | 20 | | | | | | | 10.2 | | | | 2.4 |
| VCTFU(OS)0.3×30 | 30 | | | | | | | 12.0 | | | | 2.0 |
| VCTFU(OS)0.5×2 | 2 | 0.5 | 20 / 0.18 裸軟銅線 bare copper | 0.9 | 0.5 | 1.9 | すずめっき 軟銅線編組 tinned copper shield braid | 6.3 | 37.8 | 10 | 1000V | 8.8 |
| VCTFU(OS)0.5×3 | 3 | | | | | | | 6.6 | | | | 7.6 |
| VCTFU(OS)0.5×4 | 4 | | | | | | | 7.1 | | | | 6.8 |
| VCTFU(OS)0.5×5 | 5 | | | | | | | 7.4 | | | | 6.2 |
| VCTFU(OS)0.5×6 | 6 | | | | | | | 8.0 | | | | 5.7 |
| VCTFU(OS)0.5×7 | 7 | | | | | | | 8.0 | | | | 5.4 |
| VCTFU(OS)0.5×8 | 8 | | | | | | | 8.6 | | | | 5.0 |
| VCTFU(OS)0.5×10 | 10 | | | | | | | 9.9 | | | | 4.7 |
| VCTFU(OS)0.5×12 | 12 | | | | | | | 10.2 | | | | 4.0 |
| VCTFU(OS)0.5×16 | 16 | | | | | | | 11.3 | | | | 3.5 |
| VCTFU(OS)0.5×20 | 20 | | | | | | | 12.2 | | | | 3.5 |
| VCTFU(OS)0.5×30 | 30 | | | | | | | 14.8 | | | | 2.9 |
| VCTFU(OS)0.75×2 | 2 | 0.75 | 30 / 0.18 裸軟銅線 bare copper | 1.1 | 0.6 | 2.3 | すずめっき 軟銅線編組 tinned copper shield braid | 7.1 | 25.1 | 10 | 2000V | 11.7 |
| VCTFU(OS)0.75×3 | 3 | | | | | | | 7.5 | | | | 10.1 |
| VCTFU(OS)0.75×4 | 4 | | | | | | | 8.1 | | | | 9.0 |
| VCTFU(OS)0.75×5 | 5 | | | | | | | 8.5 | | | | 8.3 |
| VCTFU(OS)0.75×6 | 6 | | | | | | | 9.2 | | | | 7.6 |
| VCTFU(OS)0.75×7 | 7 | | | | | | | 9.2 | | | | 7.5 |
| VCTFU(OS)0.75×8 | 8 | | | | | | | 9.9 | | | | 6.7 |
| VCTFU(OS)0.75×10 | 10 | | | | | | | 11.5 | | | | 6.2 |
| VCTFU(OS)0.75×12 | 12 | | | | | | | 11.9 | | | | 5.3 |
| VCTFU(OS)0.75×16 | 16 | | | | | | | 13.2 | | | | 4.7 |
| VCTFU(OS)0.75×20 | 20 | | | | | | | 14.6 | | | | 4.7 |
| VCTFU(OS)0.75×30 | 30 | | | | | | | 17.6 | | | | 3.9 |
| VCTFU(OS)1.25×2 | 2 | 1.25 | 50 / 0.18 裸軟銅線 bare copper | 1.5 | 0.6 | 2.7 | すずめっき 軟銅線編組 tinned copper shield braid | 7.9 | 15.1 | 10 | 2000V | 16.3 |
| VCTFU(OS)1.25×3 | 3 | | | | | | | 8.3 | | | | 14.1 |
| VCTFU(OS)1.25×4 | 4 | | | | | | | 9.0 | | | | 12.6 |
| VCTFU(OS)1.25×5 | 5 | | | | | | | 9.6 | | | | 11.5 |
| VCTFU(OS)1.25×6 | 6 | | | | | | | 10.4 | | | | 10.6 |
| VCTFU(OS)1.25×7 | 7 | | | | | | | 10.4 | | | | 10.0 |
| VCTFU(OS)1.25×8 | 8 | | | | | | | 11.2 | | | | 9.3 |
| VCTFU(OS)1.25×10 | 10 | | | | | | | 13.1 | | | | 8.9 |
| VCTFU(OS)1.25×12 | 12 | | | | | | | 13.7 | | | | 8.7 |
| VCTFU(OS)1.25×16 | 16 | | | | | | | 15.3 | | | | 7.4 |
| VCTFU(OS)1.25×20 | 20 | | | | | | | 16.8 | | | | 7.4 |
| VCTFU(OS)1.25×30 | 30 | | | | | | | 20.3 | | | | 5.4 |
| VCTFU(OS)2.0×2 | 2 | 2.0 | 37 / 0.26 裸軟銅線 bare copper | 1.8 | 0.6 | 3.0 | すずめっき 軟銅線編組 tinned copper shield braid | 8.5 | 9.79 | 10 | 2000V | 21.4 |
| VCTFU(OS)2.0×3 | 3 | | | | | | | 9.0 | | | | 18.5 |
| VCTFU(OS)2.0×4 | 4 | | | | | | | 9.8 | | | | 16.5 |
| VCTFU(OS)2.0×5 | 5 | | | | | | | 10.4 | | | | 15.1 |
| VCTFU(OS)2.0×6 | 6 | | | | | | | 11.3 | | | | 14.0 |
| VCTFU(OS)2.0×7 | 7 | | | | | | | 11.3 | | | | 13.1 |
| VCTFU(OS)2.0×8 | 8 | | | | | | | 12.2 | | | | 12.3 |
| VCTFU(OS)2.0×10 | 10 | | | | | | | 14.5 | | | | 11.4 |
| VCTFU(OS)2.0×12 | 12 | | | | | | | 15.0 | | | | 9.7 |
| VCTFU(OS)2.0×16 | 16 | | | | | | | 16.9 | | | | 8.5 |
| VCTFU(OS)2.0×20 | 20 | | | | | | | 18.3 | | | | 8.5 |
| VCTFU(OS)2.0×30 | 30 | | | | | | | 22.4 | | | | 7.1 |
| VCTFU(OS)3.5×2 | 2 | 3.5 | 45 / 0.32 裸軟銅線 bare copper | 2.5 | 0.6 | 3.7 | すずめっき 軟銅線編組 tinned copper shield braid | 9.9 | 5.24 | 10 | 2000V | 32.0 |
| VCTFU(OS)3.5×3 | 3 | | | | | | | 10.5 | | | | 27.8 |
| VCTFU(OS)3.5×4 | 4 | | | | | | | 11.5 | | | | 24.8 |