

CL2/2464-3599-DS LF

RoHS対応品

電子機器配線用ケーブル Electronic equipment cable

耐熱性 ★★★
 耐油性 ★★★★★
 耐ノイズ性 ★★★★★
 難燃性 ★★★★★
 柔軟性 ★★
 非移行性 ★★★★★
 移動特性 ★
 ※特性は目安となります。

対象規格



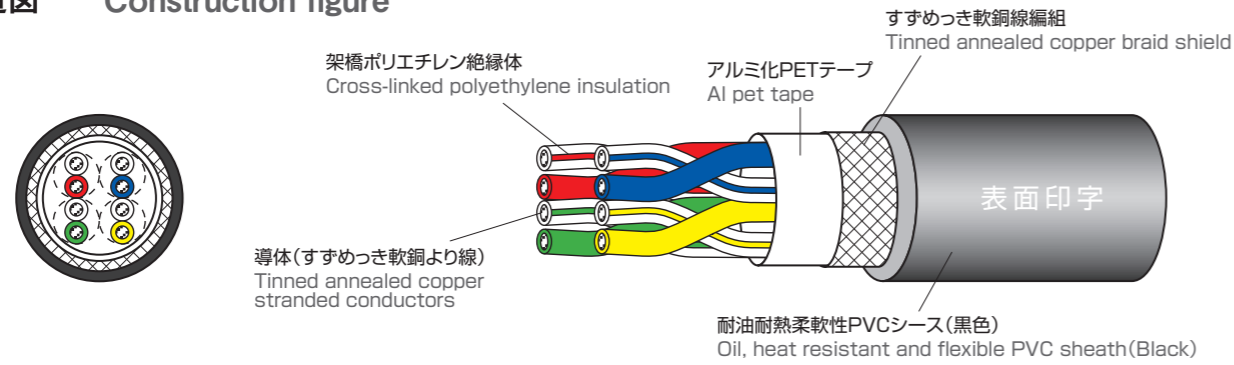
特徴

- UL VW-1, cUL FT1の難燃対応。(カテゴリ QPTZ, AVLV2, AVLV7)
- UL垂直トレイ難燃試験に合格。
- 耐油耐熱柔軟性ビニルシース材を使用。
- トレイケーブルとしても使用可能。
- RS485, RS422, RS232C対応ケーブル。
- リスティング規格であるCL2を取得しており、NFPA70に対応。

Features

- Flame resisting : UL VW-1, cUL FT1. (Category QPTZ, AVLV2, AVLV7)
- It passes Vertical-Tray Flame Test of UL.
- Oil, heat resistant and flexible PVC sheath material is used.
- It is possible to use it as a tray cable.
- Cable for RS485, RS422, RS232C.
- CL2 that is the listing standard is acquired and it corresponds to NFPA70.

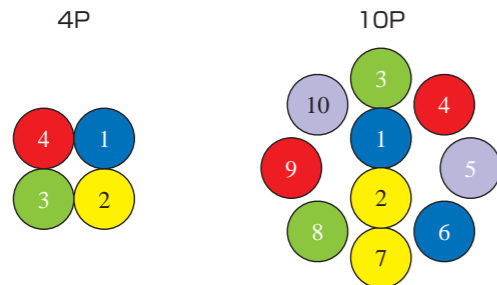
構造図 Construction figure



表面印字 Surface Marking



識別 Identification



○内数字は識別表の対番を示す。
 /Figures ○ indicate pair number in the identification table.

●識別表/Identification table

| | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 対番 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 第1種線心 | 青 | 黄 | 緑 | 赤 | 紫 | 青 | 黄 | 緑 | 赤 | 紫 |
| 第2種線心 | 青/白 | 黄/白 | 緑/白 | 赤/白 | 紫/白 | 青/茶 | 黄/茶 | 緑/茶 | 赤/茶 | 紫/茶 |
| 対番 | 11 | 12 | 13 | 14 | 15 | | | | | |
| 第1種線心 | 青 | 黄 | 緑 | 赤 | 紫 | | | | | |
| 第2種線心 | 青/黒 | 黄/黒 | 緑/黒 | 赤/黒 | 紫/黒 | | | | | |

白/黒は黒色絶縁体上に白色ラインを施します。/White/Black indicates black core with white stripe.

構造表 Construction table

| 対数 No. of pairs | 導体 Conductor | | | 架橋PE絶縁体 Cross-linked polyethylene insulation | | 耐油耐熱柔軟性ビニルシース Oil, heat-resistant flexible-PVC sheath | | 概算質量 Approx. weight (kg/km) | 電気特性 Electrical Characteristics | | | 許容電流 Allowable ampacity (A) |
|--------------------|----------------------|------------------------------|--------------------------------|---|--------------------------------|--|---|-----------------------------------|--|---|---|-----------------------------------|
| | サイズ Size (AWG) | 構成 Construction (本/mm) | 外径 Outside diameter (mm) | 厚さ Thickness (mm) | 外径 Outside diameter (mm) | 厚さ Thickness (mm) | 外径 Overall diameter 約approx. (mm) | | 導体抵抗 Conductor resistance (Ω/km20°C) | 絶縁抵抗 Insulation resistance (MΩkm20°C) | 耐電圧 Electrical strength (V/1min.) | |
| 1P | | | | | | | 5.1 | 35 | | | | 3.7 |
| 2P | | | | | | | 6.7 | 55 | | | | 2.9 |
| 3P | | | | | | | 7.1 | 65 | | | | 2.4 |
| 4P | 24 | 7/0.203 | 0.61 | 0.30 | 1.2 | 1.0 | 7.7 | 75 | 97.5 | 100 | 2000 | 2.1 |
| 5P | (0.22mm) | | | | | | 8.3 | 85 | | | | 2.0 |
| 7P | | | | | | | 8.9 | 100 | | | | 1.7 |
| 10P | | | | | | | 10.3 | 140 | | | | 1.5 |
| 15P | | | | | | | 12.5 | 185 | | | | 1.2 |
| 1P | | | | | | | 5.7 | 43 | | | | 4.5 |
| 2P | | | | | | | 7.6 | 75 | | | | 3.4 |
| 3P | | | | | | | 8.1 | 85 | | | | 2.9 |
| 4P | 22 | 7/0.26 | 0.78 | 0.35 | 1.5 | 1.0 | 8.8 | 105 | 57.5 | 100 | 2000 | 2.5 |
| 5P | (0.37mm) | | | | | | 9.5 | 120 | | | | 2.4 |
| 7P | | | | | | | 10.3 | 145 | | | | 2.0 |
| 10P | | | | | | | 12.0 | 195 | | | | 1.8 |
| 15P | | | | | | | 15.7 | 305 | | | | 1.5 |
| 1P | | | | | | | 6.2 | 50 | | | | 6.0 |
| 2P | | | | | | | 8.5 | 90 | | | | 4.6 |
| 3P | | | | | | | 9.1 | 110 | | | | 3.9 |
| 4P | 20 | 21/0.18 | 0.95 | 0.40 | 1.8 | 1.0 | 10.0 | 135 | 36.2 | 100 | 2000 | 3.4 |
| 5P | (0.53mm) | | | | | | 10.8 | 155 | | | | 3.2 |
| 7P | | | | | | | 11.7 | 185 | | | | 2.7 |
| 10P | | | | | | | 13.8 | 260 | | | | 2.4 |
| 15P | | | | | | | 17.9 | 400 | | | | 2.0 |
| 1P | | | | | | | 7.5 | 75 | | | | 10.5 |
| 2P | | | | | | | 10.8 | 140 | | | | 8.1 |
| 3P | 18 | 35/0.18 | 1.2 | 0.60 | 2.4 | 1.0 | 11.6 | 170 | 22.8 | 100 | 2000 | 6.8 |
| 5P | (0.89mm) | | | | | | 14.0 | 250 | | | | 5.6 |
| 10P | | | | | | | 18.9 | 460 | | | | 4.2 |
| 1P | | | | | | | 8.6 | 95 | | | | 12.7 |
| 2P | | | | | | | 12.5 | 185 | 14.3 | 100 | 2000 | 9.8 |
| 3P | 16 | 26/0.26 | 1.5 | 0.70 | 2.9 | 1.0 | 13.6 | 235 | | | | 8.3 |
| | (1.38mm) | | | | | | | | | | | |

許容電流

・本カタログの許容電流は空中1条布設、周囲温度30°Cでの値です。

・周囲温度、布設状況等によって下記の補正係数を乗じて下さい。

Allowable ampacity

・The allowable ampacity of this catalog is a value at one in the air construction and the ambient temperature 30°C.

・Please multiply the following correction coefficient by the ambient temperature and the cable-laying conditions, etc.

●電流減少係数(周囲温度の場合)/Adjustment factors(at ambient temperature)

| | | | | | | | | |
|------------------------------|------|------|------|------|------|----|----|-----|
| 周囲温度 Ambient temperature(°C) | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 電流減少係数 Adjustment factors | 1.00 | 0.89 | 0.77 | 0.63 | 0.45 | - | - | - |

●電流減少係数(多条布設の場合)/Adjustment factors(for multiple-line laying)

| | | | | | | | |
|---------------------------|------|------|------|------|-------|-------|------|
| 電線数 No. of cables | 2~3 | 4 | 5~6 | 7~15 | 16~40 | 41~60 | 61~ |
| 電流減少係数 Adjustment factors | 0.70 | 0.63 | 0.56 | 0.49 | 0.43 | 0.39 | 0.34 |

販売標準長

100m
 (切断販売が可能なサイズもございます。詳細は窓口にお問い合わせ下さい。)

Standard sale length

100m
 (There are sizes that can be the cutting sales, too. Please inquire of sales staff in detail.)