

2PfG 1169 PV1-F型 光电设备用无卤电缆
PV型 光电设备用无卤电缆

2PfG 1169 PV1-F Halogen-free cable for photoelectric device
PV Halogen-free cable for photoelectric device



无卤低烟、耐火耐高温电线电缆系列 FIRE AND HIGH TEMPERATURE RESISTANT HALOGEN-FREE LOW-SMOKE WIRES & CABLES



TUV 认可号:
R 50159761

UL 认可号:
E330964

应用范围

适用于直流电压端线—线最高电压 DC 1.8KV 的光电设备系统。

APPLICATIONS

Suitbale for photoelectric unit with maximum line-to-line voltage 1.8KV DC

电线结构

多股细束绞镀锡铜丝导体;
CAR-1255PVJ型绝缘, CAR-1255PVH型护套。

WIRE MAKE-UP

Multi-stranded fine bare tincopper conductor.
CAR-1255PVJ insulation, CAR-1255PVH sheath

技术参数

- 🌡️ 温度范围: -40°C ~ +90°C (最高120°C)
- ⚡️ 额定电压: DC 1.8KV, AC 0.6/1KV
- 📏 符合标准: 2PfG 1169/08.2007 TUV, UL
- 🔍 导体标准: IEC 60228 5类

TECHNICAL DATA

- 🌡️ Operating Temp.: -40°C ~ +90°C (max. 120°C)
- ⚡️ Rated Voltage: DC 1.8KV, AC 0.6/1KV
- 📏 Governing Std.: 2PfG 1169/08.2007 TUV, UL
- 🔍 Conductor Std.: Category 5 in IEC 60228

2PfG 1169 PV1-F型

| 导体截面 Cross Section mm ² | 导体结构 Conductor Structure 根数/单根直径 Cond. No./O.D | 标称外径 Nominal O.D. mm | 最大外径 Max O.D. mm | 重量(近似) Approx. Weight Kg/Km | 导体20°C时 最大电阻 Max. Cond. R@20°C ≤ (Ω/Km) | 环境温度 30°C架空时 参考载流量(A) Ampacity@30°C Ambient (aerial cable) |
|--|---|----------------------------|------------------------|-----------------------------------|--|--|
| 2.5 | 50/0.25 | 5.50 | 5.50 | 59.6 | 7.98 | 38 |
| 4 | 56/0.30 | 6.20 | 6.20 | 81.3 | 4.95 | 52 |
| 6 | 84/0.30 | 7.00 | 7.00 | 112 | 3.30 | 66 |
| 10 | 84/0.40 | 8.50 | 8.50 | 177 | 1.91 | 96 |
| 16 | 128/0.40 | 9.60 | 9.60 | 241 | 1.21 | 130 |
| 25 | 200/0.40 | 11.70 | 11.70 | 361 | 0.780 | 176 |
| 35 | 280/0.40 | 13.20 | 13.20 | 475 | 0.554 | 215 |

PV型 (可生产至2000MCM)

| 规格 AWG Size | 导体结构 Conductor Structure 根数/单根直径 Cond. No./O.D | 标称外径 Nominal O.D. mm | 最大外径 Max O.D. mm | 重量(近似) Approx. Weight Kg/Km | 导体20°C时 最大电阻 Max. Cond. R@20°C ≤ (Ω/Km) | 环境温度 30°C架空时 参考载流量(A) Ampacity@30°C Ambient (aerial cable) |
|-------------------|---|----------------------------|------------------------|-----------------------------------|--|--|
| 18 | 41/0.16 | 5.08 | 5.5 | 41.8 | 23.0 | 17 |
| 16 | 26/0.254 | 5.36 | 5.8 | 49.3 | 14.7 | 22 |
| 14 | 41/0.254 | 5.83 | 6.3 | 60.4 | 8.79 | 31 |
| 12 | 65/0.254 | 6.25 | 6.9 | 75.8 | 5.41 | 42 |
| 10 | 104/0.254 | 7.23 | 7.8 | 106 | 3.64 | 54 |
| 8 | 133/0.284 | 8.59 | 9.2 | 159 | 2.36 | 75 |
| 7 | 82/0.404 | 8.87 | 9.5 | 185 | 1.78 | 86 |
| 6 | 104/0.404 | 9.95 | 10.6 | 221 | 1.44 | 102 |
| 4 | 164/0.404 | 11.29 | 11.9 | 311 | 0.91 | 135 |
| 2 | 37/1.08 | 12.11 | 13.0 | 785 | 0.57 | 166 |
| 1 | 61/0.94 | 14.04 | 15.0 | 597 | 0.47 | 211 |

▲ 载流量是周围温度设定在30°C时的计算值。电线芯数、周围温度、布线状况等条件改变时应乘以系数。(见附录)

▲ Current-carrying capacity is the calculated value based on a ambient temperature of 30°C and is to be multiplied by a factor when application conditions including number of cores, ambient temperature and wiring condition are changed. (see Appendix)