

Photovoltaic Wire

Type PV

90°C Wet & Dry 1000 Volts

Features

Conductors available in tinned or copper
 Insulation: 90°C EPCV
 RoHS and REACH Compliant

Product Design Options

Custom strand constructions
 Custom diameter to meet design criteria
 Various colors for base and stripe combinations
 Packaging options: reels, drums, returnable containers

Compliances

UL 4703
 Article 690 of NEC, NFPA 70
 VW-1
 Sunlight Resistant
 -40 °C
 90°C Wet and 90°C Dry
 1000 Volts rated wire

Applications

Interconnection wiring of grounded and ungrounded photovoltaic power systems

| AWG size | Number of Strands | Strand Size (ga) | Nom Cond OD (In) | Nom OD (In) | Min Wall (In) | Approx. Net Weight (lbs/mft) | Approx. Cu (lbs/mft) |
|----------|-------------------|------------------|------------------|-------------|---------------|------------------------------|----------------------|
| 18 | 7 | 26 | 0.046 | 0.216 | 0.075 | 25 | 5 |
| 16 | 7 | 24 | 0.059 | 0.230 | 0.075 | 31 | 8 |
| 14 | 7 | 22 | 0.072 | 0.241 | 0.075 | 38 | 14 |
| 12 | 19 | 25 | 0.091 | 0.261 | 0.075 | 48 | 20 |
| 10 | 19 | 23 | 0.112 | 0.281 | 0.075 | 63 | 32 |
| 8 | 19 | 21 | 0.142 | 0.340 | 0.085 | 96 | 51 |
| 6 | 37 | 21 | 0.187 | 0.393 | 0.085 | 135 | 79 |
| 4 | 61 | 22 | 0.236 | 0.447 | 0.085 | 193 | 125 |
| 2 | 133 | 23 | 0.298 | 0.510 | 0.085 | 282 | 201 |
| 1 | 133 | 22 | 0.334 | 0.588 | 0.105 | 361 | 251 |
| 1/0 | 133 | 21 | 0.374 | 0.633 | 0.105 | 439 | 316 |
| 2/0 | 133 | 20 | 0.421 | 0.680 | 0.105 | 535 | 404 |
| 3/0 | 1672 | 30 | 0.515 | 0.739 | 0.105 | 682 | 516 |
| 4/0 | 2109 | 30 | 0.565 | 0.838 | 0.105 | 833 | 653 |

Customer Service Group

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