

Part Number: 38208

UL Type PV Wire, (1) 8 AWG (133x29) TC, XLPE/PVC, 600V, 90°C

Product Description

One 8 AWG stranded (133x29) tinned copper conductors, cross-linked polyethylene insulation, PVC jacket.

Product Specifications

Technical Specifications

| | |
|-------------------------------|---|
| Suitable Applications: | Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) of the 2008 NEC. |
|-------------------------------|---|

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Conductors |
|------------------------------------|-----------|--------------------|-------------------|
| 8 | 133x29 | TC - Tinned Copper | 1 |
| Total Number of Conductors: | | | 1 |

Insulation:

| Material | Nominal Wall Thickness |
|----------------------------------|------------------------|
| XLPE - Cross Linked Polyethylene | 0.063 in |
| XLPE - Cross Linked Polyethylene | |

Stranding:

| Lay Length |
|---------------------|
| PV, USE-2, RHW-2 mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.364 in | 0.033 mm |

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR

0.61 Ohm/1000ft

Current:

| Element | Max. Recommended Current [A] |
|---|------------------------------|
| Single conductor in free air @ 30 ambient | 80 amps |

Voltage:

| UL Voltage Rating |
|-------------------|
| 600 V RMs |

Use

| | |
|------------------------------------|---------|
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 213 lbs |

Safety

| | |
|------------------|------|
| UL Flammability: | VW-1 |
|------------------|------|

Temperature Range

| | |
|-----------------------|----------------|
| Operating Temp Range: | -40°C To +90°C |
| UL Temp Rating: | 90°C Wet/Dry |

Mechanical Characteristics

| | |
|-----------------------------|----------|
| Min Bend Radius/Minor Axis: | 3.625 in |
|-----------------------------|----------|

Part Number

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Standards

| | |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
| UL Rating: | UL Rating |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |

History

Product Variants

| Part Number | Color | Put-Up Type | Length |
|---------------|-------|-------------|---------|
| 38208 0105000 | BLACK | Reel | 5000 ft |

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