

Single Core Photo Volatic Wires, XLPE Insulated, SWA, XLPE Sheathed



C4929, C4930, C4931, C4932

Applications

Suitable for the interconnection of the components of PV systems are characterized by: optimum mechanical properties in a range of operating temperature - 40 to + 90 °C, high abrasion resistance, tear, UV, ozone , water, flame propagation, low smoke, halogen-free, weather resistance that allows a period equal to the life of the PV system.

Design

| Unit | Properties |
|------------------------|--|
| Conductor | Flexible Tinned Copper wire |
| Insulation | XLPE |
| Armour | Galvanized Steel Wire |
| Sheath Material | XLPE UV Resistant, Ozone Resistant Standard Colour: Black/Red/Blue |
| Standard Put Up Length | 305 metres |

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Physical Characteristics

| Part Number | C4929 | C4930 | C4931 | C4932 |
|---|-----------|-------|-------|-------|
| Conductor Size (mm ²) | 4.0 | 6.0 | 50.0 | 70.0 |
| Max. Diameter of single conductor wire (mm) | 0.31 | 0.31 | 0.41 | 0.51 |
| Nom. Overall Diameter (mm) | 7.5 | 8.5 | 17.5 | 19.5 |
| Min. Bend Radius (install) (mm) | 90 | 102 | 210 | 234 |
| Operating temperature(°C) | -25 to 90 | | | |

Electrical Characteristics

| Part Number | C4929 | C4930 | C4931 | C4932 |
|-------------------------------------|-----------------|-------|-------|-------|
| Conductor Size (mm ²) | 4.0 | 6.0 | 50.0 | 70.0 |
| Max. DC Resistance Conductor (Ω/km) | 5.09 | 3.39 | 0.39 | 0.28 |
| Max. Voltage | 1.2KVac 1.8KVcc | | | |
| Testing Voltage | 6.5KVac 15KVcc | | | |

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Reference Standards

| | |
|-------------------|--------------------|
| IEC 60228 Class 5 | EN 60216 |
| EN 50267-1/2 | CEI 20-91 G21Type |
| IEC 60754-1/2 | CEI 20-91 M21 Type |
| IEC 61034-2 | BS EN 50618 |
| IEC 60332-1 | CEI 20-37/4-0 |
| IEC 60287 | HD 605 |
| EN 50396 | RoHS directives |