

Twin & Earth

Flat Millimetric Multi-conductor
(6192Y / 6242Y)

Prysmian
Group



Description

The flat Twin & Earth multi-conductor is formed by PVC insulated annealed copper Class 2 conductors, colored blue and brown or black and red, paralleled assembled with a bare solid central ground wire, all the conductors are covered with a thermoplastic polyvinyl chloride (PVC) gray or white outer jacket.

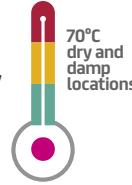
Standard Specifications

The Twin & Earth multi-conductors are built based on the following:

- Standards: **BS EN 50525-2-31**, **IEC 60228** and **60227**.
- Certificate: **CIDET # 05482**.

Characteristics

- The multi-conductor is designed to operate at 300/500 V and 70°C maximum temperature in dry and humid environments.
- They are built in gauges from 1.5 mm² up to 4 mm² parallel insulated conductors with a bare reduced solid wire ground conductor (insulation colors are blue/brown or black/red).
- The PVC insulation and jacket applied does not propagate fire.



- The assembled conductor complies with RoHS (*Restriction of Hazardous Substances*) regulation.

Applications

- Conductor designed to connect branch circuits, outlets, general power and lights. In residential, commercial and industrial applications, either exposed or enclosed in conduits, hollow walls or ceilings.

Technical Information

Dimensions and nominal features

The conductor operating amperage is defined by the installation conditions and operating temperatures identified in TABLE B.52.4 of IEC 60364-5-52 latest version

| Formation & Gauge | Ground Gauge Solid Nude | Insulation Thickness | | Width | | Height | | Weight | DC Max. @ 20°C Resistance |
|-------------------|-------------------------|----------------------|-----|--------|-------|--------|------|--------|---------------------------|
| mm ² | mm ² | in | mm | in | mm | in | mm | kg/km | Ω/km |
| 2 x 1,5 | 1,0 | 0,0354 | 0,9 | 0,3509 | 8,91 | 0,1896 | 4,81 | 79,94 | 12,10 |
| 2 x 2,5 | 1,5 | 0,0394 | 1,0 | 0,4191 | 10,65 | 0,2228 | 5,66 | 117,92 | 7,41 |
| 2 x 4 | 1,5 | 0,0394 | 1,0 | 0,4610 | 11,71 | 0,2437 | 6,19 | 153,80 | 4,61 |

Note: The values given may vary according to the manufacturing tolerances

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