

# Flat Multi-conductor

Millimetric Copper  
(6193Y / 6243Y)



### Description

The Flat multi-conductor is an electrical conductor formed by soft copper PVC insulated Class 2 conductors assembled in parallel. The group is then protected with a grey color polyvinyl chloride (PVC) thermoplastic jacket.

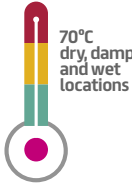
### Standard Specifications

The Flat multi-conductors are built based on the following:

- Standards: **BS EN 60228, BS EN 6004, IEC 60227 and 60228.**
- Certificates: **CIDET # 05483.**

### Features

- The Flat multi-conductors are manufactured in multiple gauges from 6 mm<sup>2</sup> up to 16mm<sup>2</sup>.
- They are designed to operate at 70°C and 300/500 operating voltage.
- Their individual cores or conductors are PVC insulated with the standard colors: brown, blue and gray.
- Due to its PVC jacket the Flat multi-conductor cables do not propagate flames.



- Complies with RoHS (*Restriction of Hazardous Substances*) regulation.
- The conductor is ecologically friendly due to its lead-free PVC and other compounds used in the insulation and jackets.

### Applications

- The Flat multi-conductor is mainly used on power feed circuits in residential. It can be installed in residential units in fixed circuits, also derivation circuits exposed or covered with in hollow Walls and wood studs.

### 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	Insulation Thickness		Width		Height		Weight	DC Max. @ 20°C Resistance
	in	mm	in	mm	in	mm		
mm <sup>2</sup>							kg/km	Ω/km
3 x 6	0,0430	1,0922	0,6450	16,38	0,2735	6,95	268,46	3,080
3 x 10	0,0470	1,1938	0,8105	20,59	0,3341	8,49	433,96	1,830
3 x 16	0,0510	1,2954	0,9426	23,94	0,3835	9,74	635,33	1,150

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



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