

Millimetric Flexible Multiconductor

Copper Multiconductor (3182Y/3183Y/3184Y)



GENERAL INFORMATION

The Flexible Millimetric is a copper multi-conductor formed with soft copper Class 5 flexible cords insulated with thermoplastic PVC. The cores are then helically cabled and protected with a black or gray weather resistant thermoplastic PVC outer jacket.

FEATURES

- The Flexible Millimetric is manufactured in the following configurations: duplex, triplex and quadruplex conductor's cores, ranging from 1.5 mm² up to 10.0 mm² gauges.
- The conductor colors per configuration are: **Duplex:** blue and brown. **Triples:** blue, brown and green. **Quadruplex:** black, blue, brown and green.

CERTIFICATIONS AND DESIGN STANDARDS

Standards of design: BS EN 60228, BS EN 6004, IEC 60227 and IEC 60228

Certification: CIDET 05483

CABLE DESIGN

Conductor material	Copper
Core insulation material	Polyvinyl chloride (PVC)

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U [V]	500
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INSTALLATION DETAILS

Application	Building Installations;Residential Installations
Outdoor installation	No
Underground installation	No

PHYSICAL & CHEMICAL PROPERTIES

Flame retardant	Yes
Oil resistant	No
Moisture resistance	Yes

SPECIFIC APPLICATIONS

- The Flexible Millimetric conductors are widely used to connect appliances, hand tools, luminaries and low power mobile units. They are also used as portable electrical extension cords at home, commercial and construction sites in dry humid or wet locations.

LEGEND ON THE CABLE

For duplex formation, in gauges from 1.5 mm² to 4 mm², the marking to be printed is:

PRYSMIAN (R) PHELPS DODGE (R) ELECTRIC CABLE 300/500V BS 6004(3182A) 2 X (GAUGE) mm² (year) H

For triplex formation, in gauges from 1.5 mm² to 4 mm², the marking to be printed is:

PRYSMIAN (R) PHELPS DODGE (R) ELECTRIC CABLE 300/500V BS 6004(3183A) 3 X (GAUGE) mm² (year) H

For triplex formation, in 6 mm² gauge, the marking to be printed is:

PRYSMIAN (R) PHELPS DODGE (R) ELECTRIC CABLE 300/500V BS 6004 3 X (GAUGE) mm² (year) H

For quadruplex formation, in gauges from 1.5 mm² to 4 mm², the marking to be printed is:

PRYSMIAN (R) PHELPS DODGE (R) ELECTRIC CABLE 300/500V BS 6004(3184A) 4 X (GAUGE) mm² (year) H

For quadruplex formation, in 6 mm² gauge, the marking to be printed is:

PRYSMIAN (R) PHELPS DODGE (R) ELECTRIC CABLE 300/500V BS 6004 4 X (GAUGE) mm² (year) H

PRODUCT CHARACTERISTICS

Number of cores	Nominal cross section conductor [mm ²]	Nominal thickness outer sheath [mm]	Diameter conductor [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ω/km]
	1.5	0.8	7.55	80.66	13.3
	2.5	1	9.24	123.97	7.98
	1.5	0.9	8.21	101.57	13.3
	2.5	1	9.8	151.57	7.98
	4	1.2	11.96	219.07	4.61
	6	1.3	12.65	289.01	3.3
	1.5	1	9.18	127.7	13.3
	6	1.3	13.86	358.17	3.3

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