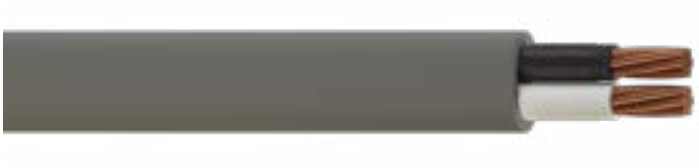
NM-B/NMC

Millimetric Copper Multi-conductor

Prysmian Group



Description

The NMB-B/NMC is an electrical multi-conductor formed by soft copper EcoPlus THHN/THWN-2 assembled in 2 or 3 parallel Class 2 conductors. The core is then protected with a white or grey color polyvinyl chloride (PVC) thermoplastic jacket.

Standard Specifications

The NMB-B/NMC multi-conductors are built based on the following:n:

- Standards: **IEC 60228. UL 83 and 719.**

Features

- NMB-B/NMC is designed to operate at 600 V and 90°C max temperature in dry, humid and wet conditions.
- NMB-B/NMC conductors are manufactured in multiple gauges and formations: duplex and triplex from 1.5 mm^2 up to 6 mm^2.

- Their individual cores or conductors are: THHN/THWN-2 type. With the basic colors: black, white and green.
- Due to its PVC insulation and nylon jacket system the NMB-B/NMC cables do not propagate flames.
- Complies with RoHS *(Restriction of Hazardous Substances)* regulation.
- NMB-B/NMC is ecologically friendly due to its lead-free PVC and other compounds used in the insulation and jackets.

Applications

- The NM-B/NMC is mainly used on lighting outlets and residential electrical circuits.
- The NM-B/NMC is allowed to be installed in residential units in fixed circuits, also temporary derivation circuits exposed or covered within hollow walls and wood studs.
- The NM-B/NMC can be used where THHN/THWN-2 single conductors are approved.

phelps dodge

PRYSMIAN GROUP
Central America & Caribbean
Kilometer 11 General Cañas Highway. Heredia, Costa Rica
Customer Service Hub: + (506) 2298-4800
info.centroamerica@prysmiangroup.com
www.generalcable.com

NM-B/NMC

Millimetric Copper Multi-conductor

Prysmian Group

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
mm^2	in	mm	in	mm	in	mm	km/kg	Ω/km
Duplex								
2 x 1,5	0,0300	0,762	0,2611	6,63	0,1612	4,09	52,33	12,100
2 x 2,5	0,0300	0,762	0,2950	7,49	0,1781	4,52	73,68	7,410
2 x 4	0,0300	0,762	0,3370	8,56	0,1991	5,06	105,76	4,610
2 x 6	0,0300	0,762	0,4017	10,20	0,2314	5,88	152,95	3,080
Triplex								
3 x 1,5	0,0300	0,762	0,3611	9,17	0,1612	4,09	76,63	12,100
3 x 2,5	0,0300	0,762	0,4119	10,46	0,1781	4,52	108,74	7,410
3 x 4	0,0300	0,762	0,4749	12,06	0,1991	5,06	157,04	4,610
3 x 6	0,0300	0,762	0,5719	14,53	0,2314	5,88	228,27	3,080

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

phelps dodge

PRYSMIAN GROUP
Central America & Caribbean
Kilometer 11 General Cañas Highway. Heredia, Costa Rica
Customer Service Hub: + (506) 2298-4800
info.centroamerica@prysmiangroup.com
www.generalcable.com