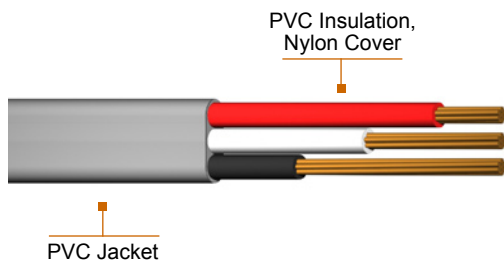


600V Copper Multiconductor Flat Cables. Each Single Conductor has a Thermoplastic Insulation protected with a Nylon Sheath. The multiconductor is protected by a Flat Thermoplastic Jacket



Detail Description or Construction

Type TNM-B is an insulated multiconductor composed by solid or stranded bare annealed copper conductors, each single conductor has a thermoplastic insulation of PVC (Polyvinyl Chloride) and protected by a Nylon sheath, in addition, the whole multiconductor is protected by a thermoplastic flat insulation of PVC. Designed to operate at not more than 600V, the TNM-B is manufactured in constructions duplex (two single conductors) and triplex (three single conductors), also in gauges from 14 AWG up to 8 AWG. The internal individual conductors are THHN type, therefore TNM-B product was designed to operate at 90°C of temperature inside the conductor in dry and wet conditions, as well as 75°C in water immersed conditions. The Nylon sheath provides mechanical protection against to chemical agents, petroleum derivatives and oils. Thermoplastic insulation does not propagate the flame.

Product color identification according to its construction is the following:

Duplex: black- white

Triplex: black-white-red

Application

TNM-B conductors have been designed to operate in dry and wet conditions; its main application is to perform electric circuits derivations to outlets and light turn out/turn off devices in residential and commercial systems.

Standards / Testing Specifications

- TNM-B conductors have been designed according to ASTM B3, UL-83, UL-719 and UL-1581 specifications and requirements of the latest version of the National Electrical Code (NEC).

Marking

PHELPS DODGE NM-B (GAUGE) AWG (AREA MM²) 600 V.

Installation

TNM-B can be installed in a visible way over walls or inside openings in concrete or wood divisions, whenever the conductors will not be exposed to nails or screws.



TNM - B

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TECHNICAL INFORMATION

Size	Nominal Cross Section Area		Number of Strands	Nominal Cover Thickness		Aproximate Total Height		Aproximate Total Width		Approx. Total Weight	Máx. CD Electrical Resistance @ 30°C	Max. Current Capacity	Standard Packaging
	AWG / MCM	C.M.		mm ²	in	mm	in	mm	in				
2x14	4110	2.08	1	0.025	0.64	0.152	3.86	0.254	6.46	61	8.81	25	CB 100, C 152,4
2x12	6530	3.31	1	0.025	0.64	0.169	4.29	0.288	7.31	87	5.57	30	CB 100, C 152,4
2x10	10380	5.26	1	0.025	0.64	0.200	5.08	0.350	8.88	132	3.49	40	CB 100, C 152,4
2x8	16510	8.37	1	0.025	0.64	0.248	6.31	0.447	11.35	211	2.19	55	CB 100, C 152,4
2x14	4110	2.08	7	0.025	0.64	0.161	4.08	0.271	6.89	64	8.98	25	CB 100, C 152,4
2x12	6530	3.31	7	0.025	0.64	0.180	4.56	0.309	7.86	92	5.68	30	CB 100, C 152,4
2x10	10380	5.26	7	0.025	0.64	0.214	5.42	0.377	9.58	140	3.56	40	CB 100, C 152,4
2x8	16510	8.37	7	0.025	0.64	0.266	6.75	0.481	12.23	222	2.23	55	CB 100, C 152,4
3x14	4110	2.08	1	0.025	0.64	0.152	3.86	0.356	9.05	90	8.81	25	CB 100, C 152,4
3x12	6530	3.31	1	0.025	0.64	0.169	4.29	0.406	10.32	129	5.57	30	CB 100, C 152,4
3x10	10380	5.26	1	0.025	0.64	0.200	5.08	0.500	12.69	198	3.49	40	CB 100, C 152,4
3x8	16510	8.37	1	0.025	0.64	0.248	6.31	0.645	16.40	316	2.19	55	CB 100, C 152,4
3x14	4110	2.08	7	0.025	0.64	0.161	4.08	0.382	9.70	95	8.98	25	CB 100, C 152,4
3x12	6530	3.31	7	0.025	0.64	0.180	4.56	0.439	11.15	137	5.68	30	CB 100, C 152,4
3x10	10380	5.26	7	0.025	0.64	0.214	5.42	0.541	13.73	209	3.56	40	CB 100, C 152,4
3x8	16510	8.37	7	0.025	0.64	0.266	6.75	0.697	17.71	334	2.23	55	CB 100, C 152,4

Packaging:
WR: wooden reel, CB: carton box, C: coils