

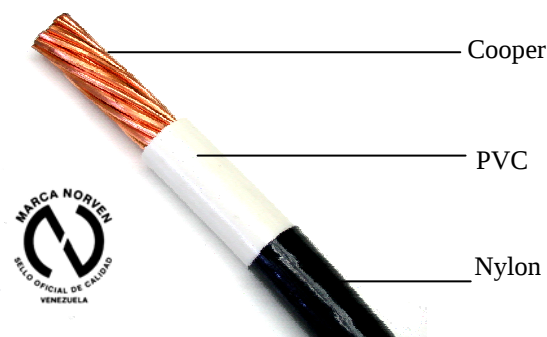
Gasoline and Oil Resistance II. VW-1 & for CT use

Soft annealed copper solid conductor (14-8 AWG), unilay stranded compressed stranded class "C" (14-2 AWG) and class "B" (1 AWG-1000 kcmil). PVC insulation and nylon jacket, with excellent thermal and electrical properties with outstanding flame, moisture and chemical resistance.

APPLICATION

For use in power and control circuits, installed in conduit or duct. For wiring of machine tools (stranded conductors). Suitable for use in dry (90°C) or wet (75°C) locations and in presence of oil or gasoline.

Maximum voltage continuous rating: 600 V



APPROVALS

Building Wire, 75°C, Wet & Dry –NEC, article 310-2
Building Wire, 90°C, Wet & Dry –NEC, article 310-2
Exposed to Oil, 75°C
Cable conductors in continuous Rigid Cable Supports NEC, article 318.
Gasoline & Oil Resistance II approval
Fixture Wire (lighting fixture) 30°C – NEC., ARTICLE 402.
VW-1 AND FOR ct use"

STANDARDS

Thermoplastic Insulated Wire and Cables UL-83
Electrical Wires, Cables and Flexibles Cords, UL -1581
Machine Tool Wire (stranded conductors only) UL-1063
Concentric Lay-Stranded Copper conductor , Hard, Medium-Hard, or soft ASTM B-8
Federal Specification J-C -30B

CABLE DATA

Size AWG / MCM	Construction		Conductor Diameter (inches)	Insulation Thickness (inches)	Aprox. outside Diameter (inches)	Aprox. Weighth (pounds/kft)	Ampacity (A) ①			Conductors in Conduit ②		Standard Pack (feet)
	N° of wires	Diameter of wires (inches)					THWN (75°C)	THHN (90°C)	MTW (90°C)	Diameter Conduit (inches)	Number of Cond.	
14	1	0,0641	0,064	0,017	0,005	16	20	25	-	1/2	12	S500/R2500
12	1	0,0808	0,081	0,017	0,005	24	35	40	-	1/2	5	S500/R2502
10	1	0,1019	0,102	0,022	0,005	38	20	25	15	1/2	12	S500/R2504
8	1	0,1285	0,129	0,032	0,005	62	35	40	30	1/2	5	S500/R2506
14	13/6	0,0159/0,0117	0,071	0,017	0,005	17	25	30	-	1/2	9	S500/R2501
12	13/6	0,0201/0,0147	0,090	0,017	0,005	25	50	55	-	1/2	3	S500/R2503
10	13/6	0,0253/0,0185	0,113	0,022	0,005	40	25	30	20	1/2	9	S500/R2505
8	13/6	0,0319/0,0234	0,142	0,032	0,006	65	50	55	40	1/2	3	C500/1000
6	13/6	0,0402/0,0294	0,179	0,032	0,006	98	65	75	55	3/4	4	C500/1001
4	13/6	0,0507/0,0371	0,226	0,043	0,007	157	85	95	70	1	4	C500/1002
3	13/6	0,0570/0,0417	0,254	0,043	0,007	194	100	110	80	1	3	C500/1003
2	13/6	0,0640/0,0468	0,286	0,043	0,007	241	115	130	95	1	3	C500/1004
1	19	0,0665	0,323	0,054	0,008	309	130	150	110	1 1/4	4	C500/1005
1/0	19	0,0744	0,362	0,054	0,008	380	150	170	125	1 1/4	4	C500/1006
2/0	19	0,0839	0,407	0,054	0,008	475	175	195	145	1 1/2	3	C500/1007
3/0	19	0,0941	0,457	0,054	0,008	590	200	225	165	1 1/2	3	C500/1008
4/0	19	0,1055	0,512	0,054	0,008	733	230	260	195	2	4	C500/1009
250	37	0,0823	0,559	0,063	0,010	870	255	290	215	2	3	C500/1010
300	37	0,0902	0,612	0,063	0,010	1035	285	320	240	2	3	C500/1011
350	37	0,0972	0,661	0,063	0,010	1196	310	350	260	2 1/2	4	C500/1012
400	37	0,1039	0,707	0,063	0,010	1358	335	380	280	2 1/2	4	C500/1013
450	37	0,1102	0,748	0,063	0,010	1520	355	405	-	3	4	C500/1014
500	37	0,1161	0,789	0,063	0,010	1681	380	430	320	3	5	C500/1015
600	61	0,0992	0,866	0,074	0,010	2023	420	475	355	3	4	C500/1016
750	61	0,1110	0,970	0,074	0,010	2513	475	535	400	3 1/2	4	C500/1017
1000	61	0,1280	1,118	0,074	0,010	3308	545	615	-	3 1/2	3	C500/1019

R= Plastic Reels C= Wood Reels

Option: Consult factory for cables marked with MTW

① Ampacity of not more than three conductors in race way or directly buried, based on ambient temperature of 30°C (86°F), Table 310-16 of National Electrical Code (THHN-THWN) and table 11 of Electrical Standard for Industrial Machinery NFPA 79-1994 (MTW).

② Maximum number of conductors in electrical metallic tubing, Table C1 of National Electrical Code.

Colors: Black, White, Red, Green, Orange, Grey, Yellow and Brown for sizes 14 –1 AWG, Other sizes black color.

The data listed above is approximate and subject to normal manufacturing tolerances. Specifications are subject to change without notice.

HC506 / 04 / NOV-05