

NM-B Wire



Cirtex® Nonmetallic–Sheathed Cable

90°C Insulation

With Ground Wire

600 Volts

APPLICATIONS

For use primarily in residential wiring, including branch circuits for outlets, switches, etc. May be installed in both exposed and concealed work in normally dry locations. May be installed in air voids of masonry block or tile walls where these walls are not subject to excessive moisture or dampness. May be installed in locations with temperatures up to 90°C, but with the ampacity limited to that of 60°C conductors. Added Circuit: For use primarily in residential wiring for branch circuits supplying outlets located in bedrooms and other areas. Has two separate neutrals so one cable can be used to run two circuits when sharing of a neutral is not allowed.

CONDUCTORS

Solid conductors: Soft, uncoated copper per ASTM–B3
Stranded conductors: Uncoated copper per ASTM–B3 and ASTM B8

CONDUCTOR INSULATION AND JACKET

Color-coded PVC (polyvinyl chloride), rated 90°C dry with clear nylon (polyamide).
Added Circuit: Color-coded PVC rated 90°C: black, white, red and white with red stripe. Insulated conductors also jacketed with clear nylon (polyamide).

GROUNDING CONDUCTOR

Soft, uncoated copper per ASTM–B3

ASSEMBLY

Two-conductor constructions have the insulated conductors laid parallel. Ground wire is wrapped with paper and laid parallel between the insulated conductors. The entire construction is wrapped with a paper separator before applying the jacket. Three-conductor constructions have the insulated conductors twisted together or laid parallel to each other. Ground wire is wrapped with paper and twisted together or laid parallel to the insulated conductor.

JACKET

30 mil-thick PVC (polyvinyl chloride) jacket applied over the complete assembly
14–2, 14–2–2 & 14–3 w/ground: white
12–2, 12–2–2 & 12–3 w/ground: yellow
10–2 & 10–3 w/ground: orange
8 AWG or larger: black

INDUSTRY STANDARDS

UL 83 File # E 15119
UL 719 Non-Metallic Sheathed Cable File #E9810
ASTM–B3
ASTM–B8
Fed. Spec. A–A–59544
NFPA70: NEC®
RoHS Compliant

SURFACE PRINT

Sample: NM–B 14–2 W/G 600V Cirtex–A (UL)

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MADE IN THE USA

cerrowire®

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A Marmon Wire & Cable/
Berkshire Hathaway Company

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PRODUCT CODE NUMBER & PACKAGE CODE W/GROUND	CONDUCTORS		GROUND WIRE AWG	INSULATION & NYLON THICKNESS MILS.	CABLE DIMENSION MILS.	AMPACITY AT 30°C PER NEC®	APPROX. NET WT. LBS./M FT.	UPC CODE
	AWG & NO. COND.	NO. OF STRANDS					147 W/GROUND	
147-1402A3	14-2	SOLID	14	19	190 x 370	15	60	048243663033
147-1402AR	14-2	SOLID	14	19	190 x 370	15	60	048243984053
147-1402BR	14-2	SOLID	14	19	190 x 370	15	60	048243263035
147-1402CR	14-2	SOLID	14	19	190 x 370	15	60	048243263042
147-1402K	14-2	SOLID	14	19	190 x 370	15	60	048243263011
147-1403A3	14-3	SOLID	14	19	190 x 370	15	60	048243663538
147-1403AR	14-3	SOLID	14	19	190 x 370	15	60	048243263523
147-1403BR	14-3	SOLID	14	19	190 x 370	15	60	048243984084
147-1403CR	14-3	SOLID	14	19	190 x 370	15	60	048243263547
147-1403K	14-3	SOLID	14	19	190 x 370	15	60	048243263516
147-1462G	14-2	SOLID	14	19	190 x 370	15	60	048243163007
147-1462J	14-2	SOLID	14	19	190 x 370	15	60	048243162994
147-1662F	12-2	SOLID	12	19	210 x 400	20	84	048243163083
147-1662G	12-2	SOLID	12	19	210 x 400	20	84	048243163052
147-1862G	10-2	SOLID	10	24	230 x 480	30	128	048243163106
147-4002D	8-2	7	10	35	370 x 680	40	208	048243163158
147-4002J	8-2	7	10	35	370 x 680	40	208	048243163165
147-4002K	8-2	7	10	35	370 x 680	40	208	048243163172
147-4202D	6-2	7	10	35	420 x 750	55	288	048243163202
147-4202J	6-2	7	10	35	420 x 750	55	288	048243163219
147-4202K	6-2	7	10	35	420 x 750	55	288	048243163226
147-1463G	14-3	SOLID	14	19	300	15	76	048243163502
147-1463J	14-3	SOLID	14	19	300	15	76	048243163533
147-1464G	14-2-2	SOLID	14	19	344 x 424	15	93	048243263851
147-1472G	14-2	SOLID	14	19	190 x 370	15	60	048243163007
147-1482K	14-2	SOLID	14	19	190 x 370	15	60	048243900084
147-1602A3	12-2	SOLID	12	19	210 x 400	20	84	048243160457
147-1602AR	12-2	SOLID	12	19	210 x 400	20	84	048243984060
147-1602BR	12-2	SOLID	12	19	210 x 400	20	84	048243263080
147-1602CR	12-2	SOLID	12	19	210 x 400	20	84	048243263097
147-1602K	12-2	SOLID	12	19	210 x 400	20	84	048243263066
147-1603AR	12-3	SOLID	12	19	335	20	109	048243263578
147-1603BR	12-3	SOLID	12	19	335	20	109	048243263585
147-1603CR	12-3	SOLID	12	19	335	20	109	048243263592
147-1603K	12-3	SOLID	12	19	335	20	109	048243263561
147-1662J	12-2	SOLID	12	19	210 x 400	20	84	048243263189
147-1663G	12-3	SOLID	12	19	335	20	109	048243163557
147-1664G	12-2-2	SOLID	12	19	429 x 479	20	133	048243263882
147-1672G	12-2	SOLID	12	19	210 x 400	20	84	048243163052
147-1682K	12-2	SOLID	12	19	210 x 400	20	84	048243900091

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	AWG & NO. COND.	NO. OF STRANDS					147 W/GROUND	
147-1802A3	10-2	SOLID	10	24	230 x 480	30	128	048243163571
147-1802AR	10-2	SOLID	10	24	230 x 480	30	128	048243984077
147-1802BR	10-2	SOLID	10	24	230 x 480	30	128	048243263134
147-1802CR	10-2	SOLID	10	24	230 x 480	30	128	048243263141
147-1802J	10-2	SOLID	10	24	230 x 480	30	128	048243163113
147-1802K	10-2	SOLID	10	24	230 x 480	30	128	048243263110
147-1803A3	10-3	SOLID	10	24	408	30	166	048243163588
147-1803AR	10-3	SOLID	10	24	408	30	166	048243263622
147-1803BR	10-3	SOLID	10	24	408	30	166	048243263639
147-1803CR	10-3	SOLID	10	24	408	30	166	048243263646
147-1803J	10-3	SOLID	10	24	408	30	166	048243163618
147-1803K	10-3	SOLID	10	24	408	30	166	048243263615
147-1863G	10-3	SOLID	10	24	408	30	166	048243160365
147-4002A	8-2	7	10	35	370 x 680	40	208	048243263264
147-4002B	8-2	7	10	35	370 x 680	40	208	048243263271
147-4002B9	8-2	7	10	35	370 x 680	40	208	048243263288
147-4003A	8-3	7	10	35	515	40	260	048243263462
147-4003A3	8-3	7	10	35	515	40	260	048243263394
147-4003B	8-3	7	10	35	515	40	260	048243263684
147-4003B9	8-3	7	10	35	515	40	260	048243263370
147-4003D	8-3	7	10	35	515	40	260	048243263653
147-4003G	8-3	7	10	35	515	40	260	048243663644
147-4003J	8-3	7	10	35	515	40	260	048243263660
147-4003K	8-3	7	10	35	515	40	260	048243263677
147-4202A	6-2	7	10	35	420 x 750	55	288	048243663231
147-4202B	6-2	7	10	35	420 x 750	55	288	048243663248
147-4202B9	6-2	7	10	35	420 x 750	55	288	048243663255
147-4203A	6-3	7	10	35	675	55	366	048243263738
147-4203A3	6-3	7	10	35	675	55	366	048243263417
147-4203B	6-3	7	10	35	675	55	366	048243263431
147-4203B9	6-3	7	10	35	675	55	366	048243263745
147-4203D	6-3	7	10	35	675	55	366	048243263707
147-4203J	6-3	7	10	35	675	55	366	048243263714
147-4203K	6-3	7	10	35	675	55	366	048243263721
147-4203P	6-3	7	10	35	675	55	366	048243263996
147-4403J	4-3	7	8	46	760	70	585	048243263769
147-4403K	4-3	7	8	46	760	70	585	048243263776
147-4603J	2-3	7	8	46	910	95	843	048243263813

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PACKAGE CODE	A3	A/AR	B/BR	B9	C/CR	D	F	G	J	J	K	P
W/GROUND	15' COIL	25' COIL	50' COIL	75' COIL	100' COIL	125' COIL	200' COIL	250' COIL	500' COIL	500' REEL	1000' REEL	5000' REEL
14-2 SOLID (147-1402)	X	X	X		X						X	
14-2 SOLID (147-1462)								X	X			
12-2 SOLID (147-1602)	X	X	X		X						X	
12-2 SOLID (147-1662)							X	X	X			
10-2 SOLID (147-1802)	X	X	X		X					X	X	
10-2 SOLID (147-1862)								X				
8-2 STRANDED (147-4002)		X		X		X				X	X	
6-2 STRANDED (147-4202)		X	X	X		X				X	X	
14-3 SOLID (147-1403)	X	X	X		X						X	
14-3 SOLID (147-1463)								X	X			
12-3 SOLID (147-1603)		X	X		X						X	
12-3 SOLID (147-1663)								X				
10-3 SOLID (147-1803)	X	X	X		X					X	X	
10-3 SOLID (147-1863)								X				
8-3 STRANDED (147-4003)	X	X	X	X		X		X		X	X	
6-3 STRANDED (147-4203)	X	X	X	X		X				X	X	X
4-3 STRANDED (147-4403)										X	X	
2-3 STRANDED (147-4603)										X		
14-2-2 SOLID (147-1464)								X				
12-2-2 SOLID (147-1664)								X				