



POWER KABEL INC.

TYPE MC-HL COPPER CONDUCTORS 600V
 2C, 3C & 4C #14-4/0 AWG COPPER THHN/THWN-2 + GREEN GROUND ALUMINUM ARMORED

APPLICATIONS & FEATURES

For concealed wiring in dry locations For exposed wiring in dry locations. For branch and feeder and service circuits in commercial, industrial, multi-residential buildings, and places of assembly. For power, lighting, control, and signal circuits. For use in cable trays in dry locations. For use in any raceway. For use as aerial cable on a messenger When embedded in plaster finish on brick or other masonry, except in damp or wet locations. For use when run or fished in the air voids of masonry block or tile walls where such walls are not exposed or subject to excessive moisture or dampness. Class I Division 2, Class 2 Division 2 Hazardous Locations. Rated at 90°C dry Excellent crush resistance Provides long service life and cost effective alternative to installations in conduit.

INDUSTRY COMPLIANCES

UL Standards 83, 1569, 1581 & 2556
 IEEE 1202 vertical tray flame test, 70,000 BTU/hr.
 ASTM B3, B8

NEC Articles 300.22, 330, 518.4, 520.5, 530, 545.4 & 645
 Class I Div. 2, Class II Div. 2 and Class III Div. 1 Div.2 for hazardous locations

CONSTRUCTION

CONDUCTORS: Bare compact stranded class "B" soft drawn copper
INSULATION: Thermoplastic high heat resistant nylon coated (THHN Thermoplastic heat water resistant nylon coated (THWN)
GROUND: Compact stranded class "B" insulated copper conductor
ASSEMBLY: A binder tape is wrapped over the conductors with interlocked aluminum armor applied over the assembly
ARMOR: Aluminum Interlocked Armor (AIA)

AWG/No OF CONDUCTORS	GROUND WIRE SIZE (AWG)	INSULATION THICKNESS (INCHES)	TWISTED CORE THICKNESS (INCHES)	DIAMETER OVER ARMOR	APPROX WEIGHT (LBS/1000 FT)
14/2 SOLID	14	0.02	0.232	0.43	78
14/3 SOLID	14	0.02	0.258	0.46	95
14/4 SOLID	14	0.02	0.288	0.49	114
12/2 SOLID	12	0.02	0.271	0.46	103
12/3 SOLID	12	0.02	0.301	0.48	129
12/4 SOLID	12	0.02	0.336	0.525	157
10/2 SOLID	10	0.025	0.337	0.526	151
10/3 SOLID	10	0.025	0.376	0.565	192
10/4 SOLID	10	0.025	0.411	0.64	254
14/2	14	0.02	0.249	0.447	80
14/3	14	0.02	0.278	0.469	98
14/4	14	0.02	0.309	0.501	106
12/2	12	0.02	0.284	0.465	106
12/3	12	0.02	0.316	0.5	133
12/4	12	0.02	0.353	0.545	201
10/2	10	0.025	0.355	0.545	156
10/3	10	0.025	0.388	0.605	214
10/4	10	0.025	0.434	0.66	260
8/2	10	0.036	0.477	0.659	241
8/3	10	0.036	0.5	0.712	310
8/4	10	0.036	0.559	0.771	410
6/2	8	0.036	0.54	0.752	342
6/3	8	0.036	0.585	0.797	658
6/4	8	0.036	0.65	.862	814
4/2	8	0.047	0.659	0.871	478
4/3	8	0.047	0.728	0.95	954

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2/2	6	0.047	0.775	0.987	681
2/3	6	0.047	0.868	1.08	1,392
2/4	6	0.047	0.971	1.183	1,755
1/2	6	0.058	0.887	1.099	830
1/3	6	0.058	0.944	1.206	1,712
1/4	6	0.058	1.112	1.324	2,177
1/0-2	6	0.058	0.965	1.177	984
1/0-3	6	0.058	1.081	1.293	2,056
1/0-4	6	0.058	1.21	1.422	2,623
2/0-2	6	0.058	1.05	1.262	1,175
2/0-3	6	0.058	1.176	1.388	5,476
2/0-4	6	0.058	1.316	1.528	3,177
3/0-2	4	0.058	1.149	1.361	1,469
3/0-3	4	0.058	1.287	1.499	3,086
3/0-4	4	0.058	1.44	1.652	3,751
4/0-2	4	0.058	1.257	1.469	1,767
4/0-3	4	0.058	1.408	1.62	3,744
4/0-4	4	0.058	1.577	1.789	4,820

All values are nominal and subject to correction