



POWER KABEL INC.

TYPE MC-COPPER CONDUCTORS 600V
 2C, 3C & 4C #14-#8 AWG COPPER THHN/THWN-2 + GREEN GROUND ALUMINUM ARMORED JACKETED

APPLICATIONS & FEATURES

For concealed wiring in dry or wet locations For exposed wiring in dry or wet 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 any raceway. For use as aerial cable on a messenger When embedded in plaster finish on brick or other masonry For use when run or fished in the air voids of masonry block or tile walls where such walls For use when encased in concrete. Rated at 90°C dry 75°C wet Oil resistance Direct burial, Sunlight resistant Excellent crush resistance Provides long service life Cost effective alternative to installations in conduit

INDUSTRY COMPLIANCES

UL 1569, 2256, 83 Gasoline and oil resistance II, Direct Burial Gasoline and oil resistance II

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)
JACKET:	Overall black polyvinyl chloride (PVC) jacket, which is heat, moisture and sunlight resistant

AWG/No OF CONDUCTORS	GROUND WIRE SIZE (AWG)	INSULATION THICKNESS (INCHES)	TWISTED CORE THICKNESS (INCHES)	DIAMETER OVER ARMOR	DIAMETER OVER JACKET	APPROX WEIGHT (LBS/1000 FT)
14/2 SOLID	14	0.02	0.232	0.43	0.535	134
14/3 SOLID	14	0.02	0.258	0.46	0.57	158
14/4 SOLID	14	0.02	0.293	0.5	0.6	168
12/2 SOLID	12	0.02	0.271	0.46	0.565	167
12/3 SOLID	12	0.02	0.301	0.48	0.58	198
12/4 SOLID	12	0.02	0.336	0.525	0.625	230
10/2 SOLID	10	0.025	0.337	0.526	0.631	220
10/3 SOLID	10	0.025	0.376	0.565	0.665	270
10/4 SOLID	10	0.025	0.411	0.64	0.74	335
14/2	14	0.02	0.249	0.447	0.597	126
14/3	14	0.02	0.278	0.469	0.574	148
14/4	14	0.02	0.309	0.501	0.601	169
12/2	12	0.02	0.284	0.465	0.57	153
12/3	12	0.02	0.316	0.5	0.605	181
12/4	12	0.02	0.353	0.545	0.625	212
10/2	10	0.025	0.355	0.545	0.625	226
10/3	10	0.025	0.388	0.605	0.68	273
10/4	10	0.025	0.434	0.66	0.775	280
8/2	10	0.036	0.477	0.659	0.759	370
8/3	10	0.036	0.5	0.712	0.966	380
8/4	10	0.036	0.559	0.771	0.871	456

All values are nominal and subject to correction