

# MC JACKETED SOLID – COPPER CONDUCTOR

CIRCUIT SIZES #14 #12 #10 AWG

April 2018

THHN/THWN ALUMINUM ARMORED

600 V (UL) 2 TO 4 CONDUCTOR CONSTRUCTION



(2 conductor shown)

**Conductor:**

Solid soft drawn copper

**Insulation:**

Thermoplastic high heat resistant nylon coated (THHN) / Thermoplastic high water resistant nylon coated (THWN)

**Bonding Conductor (Ground):**

1 solid insulated copper conductor

**Armor:**

Aluminum interlocked armour

**Jacket:**

Polyvinyl Chloride (PVC), black or gray  
Other colors available on request  
SUN RES on black jacketed product

**Color Coding:**

Standard low and high voltage colors available (please see part number and description page for actual colors and options)

**Binder Tape:**

Printed Polypropylene

**Print:**

E189204 #/C SIZE (AWG OR KCMIL) (UL) TYPE  
MC 600 VOLTS OIL RES I DIR BUR MADE IN  
CANADA (UL) 600V

**Applications:**

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.  
Class 1 Division 2, Class 2 Division 2 Hazardous locations.

**Features:**

Rated at 90°C dry 75°C wet  
Oil resistance  
Direct burial  
Excellent crush resistance  
Provides long service life  
Cost effective alternative to installations in conduit

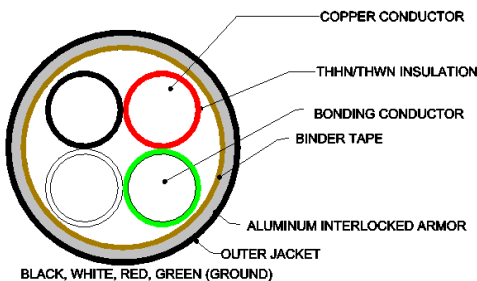
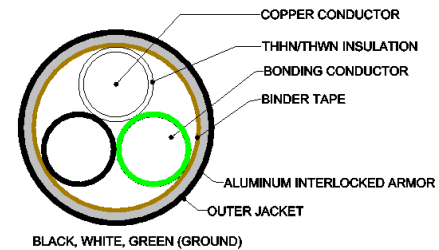
**Compliances:**

Industry compliances: UL 1569, 2556, 83  
Direct Burial  
Gasoline and oil resistance II

NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	INSULATION & NYLON THICKNESS	NOMINAL DIAMETER (OVER)			LBS/ 1000'	AMPACITY AT 90° C
				TWISTED CORE	ARMOR	CABLE		
				INCHES	INCHES	INCHES		
2	14	14	0.020	0.232	0.430	0.535	134	25
2	12	12	0.020	0.271	0.460	0.565	167	30
2	10	10	0.025	0.337	0.526	0.631	220	40

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16)



NO OF COND.	SIZE (AWG/kcmil)	WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION THICKNESS	NOMINAL DIAMETER (OVER)			LBS/ 1000'	AMPACITY AT 90° C
				TWISTED CORE	ARMOR	CABLE		
				INCHES	INCHES	INCHES		
3	14	14	0.020	0.258	0.460	0.570	158	25
3	12	12	0.020	0.301	0.480	0.580	198	30
3	10	10	0.025	0.376	0.565	0.665	270	40

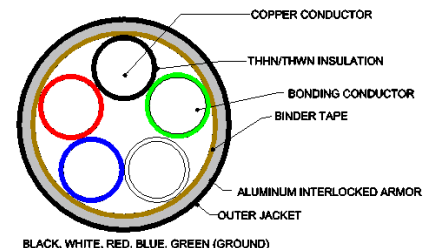
DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16)

NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	INSULATION & NYLON THICKNESS	NOMINAL DIAMETER (OVER)			LBS/ 1000'	AMPACITY AT 90° C
				TWISTED CORE	ARMOR	CABLE		
				INCHES	INCHES	INCHES		
4	14	14	0.020	0.293	0.500	0.600	168	20
4	12	12	0.020	0.336	0.525	0.625	230	24
4	10	10	0.025	0.411	0.640	0.740	335	32

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON NEC table 310.15(B)(16) & table 400.5 (A) (3)



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## PART NUMBERS AND DESCRIPTIONS

Part ID	Size & # Cdrs.	Solid or Stranded	Insulation Color Coding	Jacket Color
800390	#14 / 2c	solid	black,white	Black
800396	#14 / 3c	solid	black,white,red	Black
801774	#14 / 4c	solid	black,white,red,blue	Black
800389	#12 / 2c	solid	black,white	Black
800811	#12 / 2c	solid	brown,gray	Black
800395	#12 / 3c	solid	black,white,red	Black
800810	#12 / 3c	solid	brown,orange,gray	Black
800406	#12 / 4c	solid	black,white,red,blue	Black
800817	#10 / 2c	solid	black,white	Black
800812	#10 / 2c	solid	brown,gray	Black
800393	#10 / 3c	solid	black,white,red	Black
800757	#10 / 3c	solid	brown,orange,gray	Black
800404	#10 / 4c	solid	black,white,red,blue	Black
800624	#12 / 2c	solid	black,white	Gray
800698	#12 / 2c	solid	brown,gray	Gray
800699	#12 / 2c	solid	orange,gray	Gray
800700	#12 / 2c	solid	yellow,gray	Gray
800593	#12 / 3c	solid	black,white,red	Gray
800701	#12 / 3c	solid	brown,gray,orange	Gray
800650	#12 / 4c	solid	black,white,red,blue	Gray
800583	#12 / 4c	solid	brown,gray,orange,yellow	Gray
800592	#10 / 2c	solid	black,white	Gray
800710	#10 / 2c	solid	brown,gray	Gray
800625	#10 / 3c	solid	black,white,red	Gray
800711	#10 / 3c	solid	brown,orange,gray	Gray
800881	#10 / 3c	solid	brown,orange,yellow	Gray
800558	#10 / 4c	solid	black,white,red,blue	Gray
800712	#10 / 4c	solid	brown,gray,orange,yellow	Gray