



Phone: 1-888-524-5050  
www.northerncables.com

# MC JACKETED COMPACT STRANDED – COPPER CONDUCTOR

## SIZE #8 AWG

NOV 2019

### THHN/THWN, ALUMINUM ARMORED

### 600 V (UL) MULTI CONDUCTOR CONSTRUCTION



(2 conductor shown)

**Conductor:**  
Compact stranded class "B" soft drawn copper

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

**Bonding Conductor (Ground):**  
8 AWG 1 solid insulated copper conductor.  
6 AWG and larger 1 compact stranded class "B" insulated copper conductor.

**Armor:**  
Aluminum interlocked armour

**Jacket:**  
Polyvinyl Chloride (PVC), black  
Other colors available on request.  
SUN RES on black PVC jacketed product

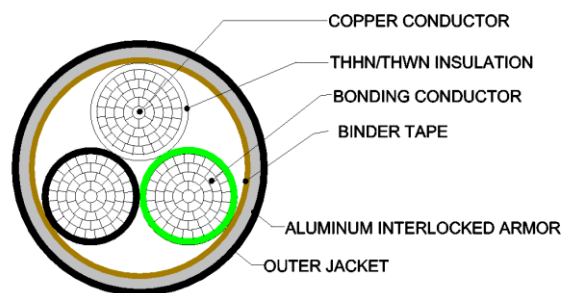
**Color Coding:**  
Standard low and high voltage colors available (please see part number and description page for actual colors and options)

**Binder Tape:**  
Printed binder tape

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

**Applications:**  
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.

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



BLACK, WHITE, GREEN (GROUND)

NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION & NYLON THICKNESS	NOMINAL DIAMETER (OVER)			LBS/1000'	AMPACITY AT 90° C
				TWISTED CORE	ARMOR	CABLE		
			INCHES	INCHES	INCHES	INCHES		
2	8	10	0.036	0.477	0.659	0.759	370	55
3	8	10	0.036	0.500	0.862	0.966	380	55
4	8	10	0.036	0.599	0.771	0.871	456	44
5	8	10	0.036	0.614	0.826	0.926	517	44
6	8	10	0.036	0.614	0.826	0.926	580	44
7	8	10	0.036	0.677	0.889	0.989	655	38
8	8	10	0.036	0.739	0.951	1.051	731	38

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

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

