



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

MC COMPACT STRANDED – ALUMINUM CONDUCTOR

SIZES 8 AWG THRU 750 AWG

THHN/THWN, ALUMINUM ARMORED

600 V (UL) 3, 4 CONDUCTOR CONSTRUCTION

NOV 2016

Conductor:

Compact stranded class "B" Aluminum

Insulation:

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

Bonding Conductor (Ground):

Compact stranded class "B" bare aluminum conductor.

Armor:

Aluminum interlocked armor

Color Coding:

Standard low and high voltage colors available

Binder Tape:

Printed Polypropylene

UL Listing:

E189204

Applications:

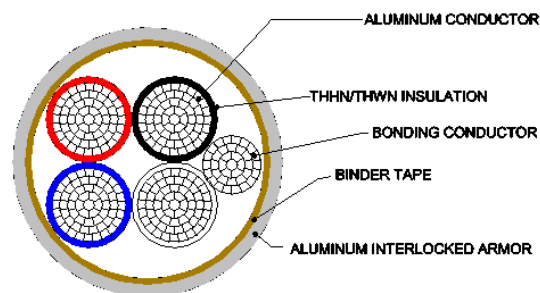
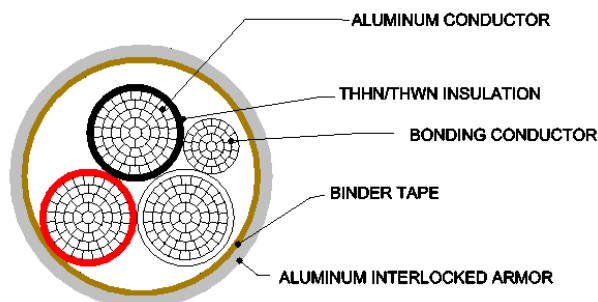
For concealed wiring in dry locations
For exposed wiring in dry locations.
For branch and feeder and service circuits in commercial, industrial, multi-residential buildings, and places of assembly.
For power, lighting, control, and signal circuits.
For use in any raceway.
For use as aerial cable on a 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.
Class I Division 2, Class 2 Division 2 Hazardous Locations.

Features:

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

Compliances:

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



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NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG. INSULATION & NYLON THICKNESS	NOMINAL		WEIGHT
				TWISTED CORE	ARMOR	
				INCHES	INCHES	INCHES
3	8	8	0.036	0.457	0.677	165
3	6	6	0.036	0.515	0.735	216
3	4	6	0.047	0.655	0.875	302
3	2	6	0.047	0.770	0.990	400
3	1	4	0.058	0.883	1.103	523
3	1/0	4	0.058	0.961	1.173	607
3	2/0	4	0.058	1.045	1.257	708
3	3/0	4	0.058	1.144	1.365	837
3	4/0	2	0.058	1.279	1.491	1017
3	250	2	0.070	1.422	1.718	1310
3	300	2	0.070	1.543	1.825	1470
3	350	2	0.070	1.642	1.914	1667
3	400	1	0.070	1.715	2.005	1857
3	500	1	0.070	1.879	2.169	2205
3	600	1	0.081	2.086	2.376	2613
3	750	1/0	0.081	2.270	2.552	3137

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. INSULATION & NYLON THICKNESS	NOMINAL		WEIGHT
				TWISTED CORE	ARMOR	
				INCHES	INCHES	INCHES
4	8	8	0.036	0.567	0.787	206
4	6	6	0.036	0.639	0.859	269
4	4	6	0.047	0.733	0.953	374
4	2	6	0.047	0.883	1.103	503
4	1	4	0.058	1.058	1.278	664
4	1/0	4	0.058	1.136	1.356	773
4	2/0	4	0.058	1.171	1.383	896
4	3/0	4	0.058	1.282	1.494	1063
4	4/0	2	0.058	1.429	1.719	1402
4	250	2	0.070	1.608	1.890	1654
4	300	2	0.070	1.729	2.011	2064
4	350	2	0.070	1.840	2.122	2124
4	400	1	0.070	1.943	2.225	2389
4	500	1	0.070	2.129	2.411	2847
4	600	1	0.081	2.367	2.649	3363
4	750	1/0	0.081	2.596	2.878	4047

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