

# Armorlite®

## Type MC



14 AWG through 2 AWG THHN/THWN Insulated Singles. Green Insulated Ground. UL Listed. 600 Volts. Rated VW-1. Lightweight Aluminum Interlocked Armor.

## APPLICATIONS

Southwire Armorlite® Type MC Cable is suitable for use as follows:

- Branch, feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- Environmental air-handling spaces per NEC 300.22 (C).
- Places of Assembly per NEC 518.4 and theaters per NEC 520.5.
- Installation in cable tray and approved raceways.
- Under raised floors for information technology equipment conductors and cables per NEC 645.5(D) & 645.5(D)(2).
- Class I Div. 2, Class II Div. 2, & Class III Div. 1 Hazardous Locations.

## STANDARDS & REFERENCES

Southwire Armorlite® Type MC Cable meets or exceeds the requirements of the following:

- UL 83
- UL 1569
- UL 1685
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( [www.ul.com](http://www.ul.com) )
- Federal Specification A-A59544 (formerly J-C-30B)
- FT4/IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test
- NFPA 70 (National Electrical Code), Article 330
- Listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems
- REACH/RoHS-2 (Chemical Limit) Compliant

## CONSTRUCTION

Southwire Armorlite® Type MC Cable is constructed with soft-drawn copper, Type THHN/THWN conductors rated 90°C dry available in sizes 14 AWG through 2 AWG, and a green insulated grounding conductor. The conductors are cabled together and a binder tape bearing the print legend is wrapped around the assembly. Aluminum interlocking armor is applied over the assembly.



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| CONDUCTOR SIZE AND COLORS                 | GROUNDING SIZE AND COLOR | STOCK NUMBER |              | WEIGHT (LBS/1000') | OVERALL DIAMETER (INCHES) |
|---|--------------------------|--------------|--------------|--------------------|---------------------------|
|   |                          | COIL (250')  | REEL (1000') |                    |                           |
| <b>SOLID CONDUCTOR COLORS 120/208V</b>    |                          |              |              |                    |                           |
| 14-2 SOLID (BLACK/WHITE)                  | 14 SOLID (GREEN)         | 68-57-92-01  | 68-57-92-02  | 77                 | .439                      |
| 14-3 SOLID (BLACK/WHITE/RED)              | 14 SOLID (GREEN)         | 68-58-26-01  | 68-58-26-02  | 94                 | .464                      |
| 14-4 SOLID (BLACK/WHITE/RED/BLUE)         | 14 SOLID (GREEN)         | 68-71-86-01  | 68-71-86-02  | 112                | .494                      |
| 12-2 SOLID (BLACK/WHITE)                  | 12 SOLID (GREEN)         | 68-58-00-01  | 68-58-00-02  | 105                | .475                      |
| 12-2 SOLID (RED/WHITE)                    | 12 SOLID (GREEN)         | 68-95-21-01  | 68-95-21-02  | 105                | .475                      |
| 12-2 SOLID (BLUE/WHITE)                   | 12 SOLID (GREEN)         | 68-94-89-01  | 68-94-89-02  | 105                | .475                      |
| 12-3 SOLID (BLACK/WHITE/RED)              | 12 SOLID (GREEN)         | 68-58-34-01  | 68-58-34-02  | 129                | .505                      |
| 12-3 SOLID (BLACK/WHITE/BLUE)             | 12 SOLID (GREEN)         | 61-09-73-01  | 61-09-73-02  | 129                | .505                      |
| 12-3 SOLID (RED/WHITE/BLUE)               | 12 SOLID (GREEN)         | 61-09-71-01  | 61-09-71-02  | 129                | .505                      |
| 12-4 SOLID (BLACK/WHITE/RED/BLUE)         | 12 SOLID (GREEN)         | 68-71-94-01  | 68-71-94-03  | 155                | .539                      |
| 10-2 SOLID (BLACK/WHITE)                  | 10 SOLID (GREEN)         | 68-58-18-01  | 68-58-18-03  | 150                | .542                      |
| 10-2 SOLID (RED/WHITE)                    | 10 SOLID (GREEN)         | 61-05-21-01  | 61-05-21-02  | 150                | .542                      |
| 10-2 SOLID (BLUE/WHITE)                   | 10 SOLID (GREEN)         | 61-05-18-01  | 61-05-18-02  | 150                | .542                      |
| 10-3 SOLID (BLACK/WHITE/RED)              | 10 SOLID (GREEN)         | 68-58-42-01  | 68-58-42-03  | 189                | .58                       |
| 10-4 SOLID (BLACK/WHITE/RED/BLUE)         | 10 SOLID (GREEN)         | 68-72-02-01  | 68-72-02-03  | 229                | .623                      |
| <b>STRANDED CONDUCTOR COLORS 120/208V</b> |                          |              |              |                    |                           |
| 12-2 STRANDED (BLACK/WHITE)               | 12 STRANDED (GREEN)      | 69-11-47-01  | 69-11-47-02  | 110                | .494                      |
| 12-3 STRANDED (BLACK/WHITE/RED)           | 12 STRANDED (GREEN)      | 69-11-54-01  | 69-11-54-02  | 134                | .537                      |
| 12-4 STRANDED (BLACK/WHITE/RED/BLUE)      | 12 STRANDED (GREEN)      | 69-11-62-01  | 69-11-62-02  | 164                | .564                      |
| 10-2 STRANDED (BLACK/WHITE)               | 10 STRANDED (GREEN)      | 69-11-70-01  | 69-11-70-02  | 159                | .566                      |
| 10-3 STRANDED (BLACK/WHITE/RED)           | 10 STRANDED (GREEN)      | 69-11-88-01  | 69-11-88-02  | 201                | .607                      |
| 10-4 STRANDED (BLACK/WHITE/RED/BLUE)      | 10 STRANDED (GREEN)      | 69-11-96-01  | 69-11-96-02  | 242                | .653                      |
| <b>SOLID CONDUCTOR COLORS 277/480V</b>    |                          |              |              |                    |                           |
| 12-2 SOLID (YELLOW/GRAY)                  | 12 SOLID (GREEN)         | 68-93-23-01  | 68-93-23-02  | 105                | .475                      |
| 12-2 SOLID (BROWN/GRAY)                   | 12 SOLID (GREEN)         | 68-93-64-01  | 68-93-64-02  | 105                | .475                      |
| 12-2 SOLID (ORANGE/GRAY)                  | 12 SOLID (GREEN)         | 68-94-06-01  | 68-94-03-02  | 105                | .475                      |
| 12-2 SOLID (PURPLE/GRAY)                  | 12 SOLID (GREEN)         | 68-94-48-01  | 68-94-48-02  | 105                | .475                      |

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|   |                        |                       |                       |     |      |
|---|------------------------|-----------------------|-----------------------|-----|------|
| 12-3 SOLID<br>(BROWN/YELLOW/GRAY)             | 12 SOLID<br>(GREEN)    | 61-05-23-01           | 61-05-23-02           | 129 | .539 |
| 12-3 SOLID<br>(BROWN/ORANG/GRAY)              | 12 SOLID<br>(GREEN)    | 68-95-62-01           | 68-95-62-02           | 129 | .539 |
| 12-3 SOLID<br>(ORANGE/YELLOW/GRAY)            | 12 SOLID<br>(GREEN)    | 61-12-70-01           | 61-12-70-02           | 129 | .539 |
| 12-4 SOLID<br>(BROWN/ORANGE/YELLOW/GRAY)      | 12 SOLID<br>(GREEN)    | 68-95-70-01           | 68-95-70-02           | 155 | .539 |
| 10-2 SOLID<br>(ORANGE/GRAY)                   | 10 SOLID<br>(GREEN)    | 55-11-67-01           | 55-11-67-02           | 150 | .542 |
| 10-2 SOLID<br>(YELLOW/GRAY)                   | 10 SOLID<br>(GREEN)    | 61-05-22-01           | 61-05-22-02           | 150 | .542 |
| 10-2 SOLID<br>(BROWN/GRAY)                    | 10 SOLID<br>(GREEN)    | 68-96-04-01           | 68-96-04-02           | 150 | .542 |
| 10-3 SOLID<br>(BROWN/ORANGE/GRAY)             | 10 SOLID<br>(GREEN)    | 68-95-39-01           | 68-95-39-02           | 189 | .58  |
| 10-3 SOLID<br>(BROWN/YELLOW/GRAY)             | 10 SOLID<br>(GREEN)    | 61-05-50-01           | 61-05-50-02           | 189 | .58  |
| 10-4 SOLID<br>(BROWN/ORANGE/YELLOW/GRAY)      | 10 SOLID<br>(GREEN)    | 68-94-14-01           | 68-94-14-02           | 229 | .623 |
| <b>STRANDED CONDUCTOR COLORS 277/480V</b>     |                        |                       |                       |     |      |
| 12-2 STRANDED<br>(YELLOW/GRAY)                | 12 STRANDED<br>(GREEN) | 55-11-08-01           | 55-11-08-02           | 110 | .494 |
| 12-2 STRANDED<br>(BROWN/GRAY)                 | 12 STRANDED<br>(GREEN) | 55-11-10-01           | 55-11-10-02           | 110 | .494 |
| 12-2 STRANDED<br>(ORANGE/GRAY)                | 12 STRANDED<br>(GREEN) | 55-11-12-01           | 55-11-12-02           | 110 | .494 |
| 12-3 STRANDED<br>(BROWN/YELLOW/GRAY)          | 12 STRANDED<br>(GREEN) | 55-11-60-01           | 55-11-60-02           | 134 | .537 |
| 12-3 STRANDED<br>(BROWN/ORANGE/GRAY)          | 12 STRANDED<br>(GREEN) | 55-11-14-01           | 55-11-14-02           | 134 | .537 |
| 12-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)   | 12 STRANDED<br>(GREEN) | 55-11-22-01           | 55-11-22-02           | 164 | .564 |
| 10-2 STRANDED<br>(BROWN/GRAY)                 | 10 STRANDED<br>(GREEN) | 55-12-76-01           | 55-12-76-02           | 159 | .566 |
| 10-3 STRANDED<br>(BROWN/ORANGE/GRAY)          | 10 STRANDED<br>(GREEN) | 55-11-21-01           | 55-11-21-02           | 201 | .607 |
| 10-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)   | 10 STRANDED<br>(GREEN) | 55-12-78-01           | 55-12-78-02           | 242 | .653 |
| <b>INTERMEDIATE CONDUCTOR COLORS 120/208V</b> |                        |                       |                       |     |      |
| 8-2 STRANDED<br>(BLACK/WHITE)                 | 10 STRANDED<br>(GREEN) | 68-70-95-01<br>(200') | 68-70-95-02<br>(500') | 231 | .644 |
| 8-2 STRANDED<br>(RED/WHITE)                   | 10 STRANDED<br>(GREEN) | 55-11-75-01<br>(200') |                       | 231 | .644 |
| 8-2 STRANDED<br>(BLUE/WHITE)                  | 10 STRANDED<br>(GREEN) | 55-11-77-01<br>(200') |                       | 231 | .644 |
| 8-3 STRANDED<br>(BLACK/WHITE/RED)             | 10 STRANDED<br>(GREEN) | 68-71-37-01<br>(200') | 68-71-37-02<br>(500') | 299 | .678 |
| 8-3 STRANDED<br>(RED/BLUE/WHITE)              | 10 STRANDED<br>(GREEN) | 55-11-80-01<br>(200') |                       | 299 | .678 |
| 8-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)        | 10 STRANDED<br>(GREEN) | 68-72-10-04<br>(200') | 68-72-10-02<br>(500') | 378 | .793 |
| 6-2 STRANDED<br>(BLACK/WHITE)                 | 8 STRANDED<br>(GREEN)  | 68-71-03-01<br>(125') | 68-71-03-02<br>(500') | 312 | .716 |
| 6-3 STRANDED<br>(BLACK/WHITE/RED)             | 8 STRANDED<br>(GREEN)  | 68-71-45-01<br>(125') | 68-71-45-02<br>(500') | 442 | .819 |
| 6-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)        | 8 STRANDED<br>(GREEN)  | 68-72-51-01<br>(100') | 68-72-51-02<br>(500') | 546 | .890 |
| 4-3 STRANDED<br>(BLACK/WHITE/RED)             | 8 STRANDED<br>(GREEN)  | 68-71-52-01<br>(100') | 68-71-52.02<br>(500') | 635 | .986 |

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|   |                        |                        |                        |      |       |
|---|------------------------|------------------------|------------------------|------|-------|
| 4-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)  | 8 STRANDED<br>(GREEN)  | 68-72-28-01<br>(100')  | 68-72-28-02<br>(500')  | 797  | 1.077 |
| 3-3 STRANDED<br>(BLACK/WHITE/RED)   | 6 STRANDED<br>(GREEN)  | 68-71-60-01<br>(100')  | 68-71-60-02<br>(500')  | 785  | 1.053 |
| 3-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)  | 6 STRANDED<br>(GREEN)  | 68-72-36-01<br>(100')  | 68-72-36-02<br>(500')  | 985  | 1.152 |
| 2-3 STRANDED<br>(BLACK/WHITE/RED)   | 6 STRANDED<br>(GREEN)  | 68-71-78-01<br>(100')  | 68-71-78-02<br>(500')  | 936  | 1.130 |
| 2-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)  | 6 STRANDED<br>(GREEN)  | 68-72-44-01<br>(100')  | 68-72-44-02<br>(500')  | 1195 | 1.239 |
| <b>INTERMEDIATE CONDUCTOR COLORS 277/480V</b>   |                        |                        |                        |      |       |
| 8-2 STRANDED<br>(BROWN/GRAY)  | 10 STRANDED<br>(GREEN) | 55-11-72-01<br>(200')  | 55-11-72-02<br>(1000') | 231  | .644  |
| 8-2 STRANDED<br>(YELLOW/GRAY)   | 10 STRANDED<br>(GREEN) |                        | 55-11-74-99            | 231  | .644  |
| 8-2 STRANDED<br>(ORANGE/GRAY)   | 10 STRANDED<br>(GREEN) | 55-11-73-01<br>(200')  |                        | 231  | .644  |
| 8-3 STRANDED<br>(BROWN/ORANGE/GRAY)   | 10 STRANDED<br>(GREEN) | 55-11-78-03<br>(500')  | 55-11-78-02<br>(1000') | 299  | .678  |
| 8-3 STRANDED<br>(BROWN/YELLOW/GRAY)   | 10 STRANDED<br>(GREEN) | 55-11-79-01<br>(200')  |                        | 299  | .678  |
| 6-2 STRANDED<br>(BROWN/GRAY)  | 8 STRANDED<br>(GREEN)  | 55-03-75-01<br>(1000') | 55-03-75-99            | 333  | .716  |
| 6-2 STRANDED<br>(YELLOW/GRAY)   | 8 STRANDED<br>(GREEN)  | 56-12-35-01<br>(1000') |                        | 333  | .716  |
| 6-3 STRANDED<br>(BROWN/ORANGE/GRAY)   | 8 STRANDED<br>(GREEN)  | 55-35-41-02<br>(500')  | 55-35-41-03<br>(1000') | 441  | .819  |
| 6-3 STRANDED<br>(BROWN/ORANGE/YELLOW)   | 8 STRANDED<br>(GREEN)  | 55-60-46-03<br>(1000') | 55-60-46-99            | 441  | .819  |
| 6-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)  | 8 STRANDED<br>(GREEN)  | 55-25-78-02<br>(500')  | 55-25-78-01<br>(1000') | 545  | .89   |
| 4-3 STRANDED<br>(BROWN/ORANGE/YELLOW)   | 8 STRANDED<br>(GREEN)  | 55-64-78-03<br>(1000') | 55-64-78-99            | 635  | .985  |
| 4-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)  | 8 STRANDED<br>(GREEN)  | 55-45-80-99            |                        | 800  | 1.076 |
| 2-3 STRANDED<br>(BROWN/ORANGE/YELLOW)   | 6 STRANDED<br>(GREEN)  | 55-43-87-99            |                        | 921  | 1.034 |
| 2-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)  | 6 STRANDED<br>(GREEN)  | 58-07-40-99            |                        | 1181 | 1.238 |
| For allowable ampacities, refer to NEC 310.15.<br>Available in sizes up to 750 kcmil. |                        |                        |                        |      |       |

## FEATURES

- Reduces installation costs up to 50% over pipe and wire.
- Lightweight aluminum armor--as much as 45% lighter than steel MC Cable.
- Better grounding performance than Type AC
- Also available in barrels, boxes, or prefab assemblies
- UL Classified 1, 2, and 3 hour Through Penetration Firestop Systems: W-J-3037, W-L-3110, W-L-3113, W-L-3117, W-L-3120, W-L-3121, W-L-3160, C-AJ-3115, C-AJ-3140, C-AJ-3142, C-AJ-3145, C-AJ-3173, C-AJ-3202, C-AJ-4065, C-AJ-4066, F-C-3038.
- Cable reverse wound on reel for ease of pulling and installation. When pulling from coils, pull from inside to ensure ease of installation.
- Anti-short bushings are not required for use with MC cable per the NEC and UL

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NEC TABLE 310.15(B)(16)- ALLOWABLE AMPACITY FOR 600V CONDUCTORS

| SIZE<br>AWG OR<br>KCMIL  | TEMPERATURE RATING OF CONDUCTOR |   |   |
|--|---------------------------------|---|---|
|  | 60°C<br>(140°F)                 | 75°C (167°F)  | 90°C (194°F)  |
|  | Types:<br>TW, UF                | Types: RHW,<br>THHW, THW,<br>THWN, XHHW,<br>USE, ZW | Types: TBS, SA, SIS,<br>RHH, RHW-2, THHN,<br>THHW, THW-2, THWN-<br>2, USE-2, XHH, XHHW,<br>XHHW-2, ZW-2 |
| <b>COPPER</b>  |                                 |   |   |
| 18   | -                               | -   | 14  |
| 16   | -                               | -   | 18  |
| 14   | 15                              | 20  | 25  |
| 12   | 20                              | 25  | 30  |
| 10   | 30                              | 35  | 40  |
| 8  | 40                              | 50  | 55  |
| 6  | 55                              | 65  | 75  |
| 4  | 70                              | 85  | 95  |
| 3  | 85                              | 100   | 115   |
| 2  | 95                              | 115   | 130   |
| 1  | 110                             | 130   | 145   |
| 1/0  | 125                             | 150   | 170   |
| 2/0  | 145                             | 175   | 195   |
| 3/0  | 165                             | 200   | 225   |
| 4/0  | 195                             | 230   | 260   |
| 250  | 215                             | 255   | 290   |
| 300  | 240                             | 285   | 320   |
| 350  | 260                             | 310   | 350   |
| 400  | 280                             | 335   | 380   |
| 500  | 320                             | 380   | 430   |
| 600  | 350                             | 420   | 475   |
| 700  | 385                             | 460   | 520   |
| 750  | 400                             | 475   | 535   |
| 800  | 410                             | 490   | 555   |
| 900  | 435                             | 520   | 585   |
| 1000   | 455                             | 545   | 615   |
| 1250   | 495                             | 590   | 665   |
| 1500   | 525                             | 625   | 705   |
| 1750   | 545                             | 650   | 735   |
| 2000   | 555                             | 665   | 750   |
| Per NEC 310.15(B)(5), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor. |                                 |   |   |

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# Armorlite® Type MC



14 AWG through 2 AWG THHN/THWN Insulated Singles. Green Insulated Ground. UL Listed. 600 Volts. Rated VW-1. Lightweight Aluminum Interlocked Armor.

## APPLICATIONS

Southwire Armorlite® Type MC Cable is suitable for use as follows:

- Branch, feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- Environmental air-handling spaces per NEC 300.22 (C).
- Places of Assembly per NEC 518.4 and theaters per NEC 520.5.
- Installation in cable tray and approved raceways.
- Under raised floors for information technology equipment conductors and cables per NEC 645.5(D) & 645.5(D)(2).
- Class I Div. 2, Class II Div. 2, & Class III Div. 1 Hazardous Locations.

## STANDARDS & REFERENCES

Southwire Armorlite® Type MC Cable meets or exceeds the requirements of the following:

- UL 83
- UL 1569
- UL 1685
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( [www.ul.com](http://www.ul.com) )
- Federal Specification A-A59544 (formerly J-C-30B)
- FT4/IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test
- NFPA 70 (National Electrical Code), Article 330
- Listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems
- REACH/RoHS-2 (Chemical Limit) Compliant

## CONSTRUCTION

Southwire Armorlite® Type MC Cable is constructed with soft-drawn copper, Type THHN/THWN conductors rated 90°C dry available in sizes 14 AWG through 2 AWG, and a green insulated grounding conductor. The conductors are cabled together and a binder tape bearing the print legend is wrapped around the assembly. Aluminum interlocking armor is applied over the assembly.



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| CONDUCTOR SIZE AND COLORS                 | GROUNDING SIZE AND COLOR | STOCK NUMBER |              | WEIGHT (LBS/1000') | OVERALL DIAMETER (INCHES) |
|---|--------------------------|--------------|--------------|--------------------|---------------------------|
|   |                          | COIL (250')  | REEL (1000') |                    |                           |
| <b>SOLID CONDUCTOR COLORS 120/208V</b>    |                          |              |              |                    |                           |
| 14-2 SOLID (BLACK/WHITE)                  | 14 SOLID (GREEN)         | 68-57-92-01  | 68-57-92-02  | 77                 | .439                      |
| 14-3 SOLID (BLACK/WHITE/RED)              | 14 SOLID (GREEN)         | 68-58-26-01  | 68-58-26-02  | 94                 | .464                      |
| 14-4 SOLID (BLACK/WHITE/RED/BLUE)         | 14 SOLID (GREEN)         | 68-71-86-01  | 68-71-86-02  | 112                | .494                      |
| 12-2 SOLID (BLACK/WHITE)                  | 12 SOLID (GREEN)         | 68-58-00-01  | 68-58-00-02  | 105                | .475                      |
| 12-2 SOLID (RED/WHITE)                    | 12 SOLID (GREEN)         | 68-95-21-01  | 68-95-21-02  | 105                | .475                      |
| 12-2 SOLID (BLUE/WHITE)                   | 12 SOLID (GREEN)         | 68-94-89-01  | 68-94-89-02  | 105                | .475                      |
| 12-3 SOLID (BLACK/WHITE/RED)              | 12 SOLID (GREEN)         | 68-58-34-01  | 68-58-34-02  | 129                | .505                      |
| 12-3 SOLID (BLACK/WHITE/BLUE)             | 12 SOLID (GREEN)         | 61-09-73-01  | 61-09-73-02  | 129                | .505                      |
| 12-3 SOLID (RED/WHITE/BLUE)               | 12 SOLID (GREEN)         | 61-09-71-01  | 61-09-71-02  | 129                | .505                      |
| 12-4 SOLID (BLACK/WHITE/RED/BLUE)         | 12 SOLID (GREEN)         | 68-71-94-01  | 68-71-94-03  | 155                | .539                      |
| 10-2 SOLID (BLACK/WHITE)                  | 10 SOLID (GREEN)         | 68-58-18-01  | 68-58-18-03  | 150                | .542                      |
| 10-2 SOLID (RED/WHITE)                    | 10 SOLID (GREEN)         | 61-05-21-01  | 61-05-21-02  | 150                | .542                      |
| 10-2 SOLID (BLUE/WHITE)                   | 10 SOLID (GREEN)         | 61-05-18-01  | 61-05-18-02  | 150                | .542                      |
| 10-3 SOLID (BLACK/WHITE/RED)              | 10 SOLID (GREEN)         | 68-58-42-01  | 68-58-42-03  | 189                | .58                       |
| 10-4 SOLID (BLACK/WHITE/RED/BLUE)         | 10 SOLID (GREEN)         | 68-72-02-01  | 68-72-02-03  | 229                | .623                      |
| <b>STRANDED CONDUCTOR COLORS 120/208V</b> |                          |              |              |                    |                           |
| 12-2 STRANDED (BLACK/WHITE)               | 12 STRANDED (GREEN)      | 69-11-47-01  | 69-11-47-02  | 110                | .494                      |
| 12-3 STRANDED (BLACK/WHITE/RED)           | 12 STRANDED (GREEN)      | 69-11-54-01  | 69-11-54-02  | 134                | .537                      |
| 12-4 STRANDED (BLACK/WHITE/RED/BLUE)      | 12 STRANDED (GREEN)      | 69-11-62-01  | 69-11-62-02  | 164                | .564                      |
| 10-2 STRANDED (BLACK/WHITE)               | 10 STRANDED (GREEN)      | 69-11-70-01  | 69-11-70-02  | 159                | .566                      |
| 10-3 STRANDED (BLACK/WHITE/RED)           | 10 STRANDED (GREEN)      | 69-11-88-01  | 69-11-88-02  | 201                | .607                      |
| 10-4 STRANDED (BLACK/WHITE/RED/BLUE)      | 10 STRANDED (GREEN)      | 69-11-96-01  | 69-11-96-02  | 242                | .653                      |
| <b>SOLID CONDUCTOR COLORS 277/480V</b>    |                          |              |              |                    |                           |
| 12-2 SOLID (YELLOW/GRAY)                  | 12 SOLID (GREEN)         | 68-93-23-01  | 68-93-23-02  | 105                | .475                      |
| 12-2 SOLID (BROWN/GRAY)                   | 12 SOLID (GREEN)         | 68-93-64-01  | 68-93-64-02  | 105                | .475                      |
| 12-2 SOLID (ORANGE/GRAY)                  | 12 SOLID (GREEN)         | 68-94-06-01  | 68-94-03-02  | 105                | .475                      |
| 12-2 SOLID (PURPLE/GRAY)                  | 12 SOLID (GREEN)         | 68-94-48-01  | 68-94-48-02  | 105                | .475                      |

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|   |                        |                       |                       |     |      |
|---|------------------------|-----------------------|-----------------------|-----|------|
| 12-3 SOLID<br>(BROWN/YELLOW/GRAY)             | 12 SOLID<br>(GREEN)    | 61-05-23-01           | 61-05-23-02           | 129 | .539 |
| 12-3 SOLID<br>(BROWN/ORANG/GRAY)              | 12 SOLID<br>(GREEN)    | 68-95-62-01           | 68-95-62-02           | 129 | .539 |
| 12-3 SOLID<br>(ORANGE/YELLOW/GRAY)            | 12 SOLID<br>(GREEN)    | 61-12-70-01           | 61-12-70-02           | 129 | .539 |
| 12-4 SOLID<br>(BROWN/ORANGE/YELLOW/GRAY)      | 12 SOLID<br>(GREEN)    | 68-95-70-01           | 68-95-70-02           | 155 | .539 |
| 10-2 SOLID<br>(ORANGE/GRAY)                   | 10 SOLID<br>(GREEN)    | 55-11-67-01           | 55-11-67-02           | 150 | .542 |
| 10-2 SOLID<br>(YELLOW/GRAY)                   | 10 SOLID<br>(GREEN)    | 61-05-22-01           | 61-05-22-02           | 150 | .542 |
| 10-2 SOLID<br>(BROWN/GRAY)                    | 10 SOLID<br>(GREEN)    | 68-96-04-01           | 68-96-04-02           | 150 | .542 |
| 10-3 SOLID<br>(BROWN/ORANGE/GRAY)             | 10 SOLID<br>(GREEN)    | 68-95-39-01           | 68-95-39-02           | 189 | .58  |
| 10-3 SOLID<br>(BROWN/YELLOW/GRAY)             | 10 SOLID<br>(GREEN)    | 61-05-50-01           | 61-05-50-02           | 189 | .58  |
| 10-4 SOLID<br>(BROWN/ORANGE/YELLOW/GRAY)      | 10 SOLID<br>(GREEN)    | 68-94-14-01           | 68-94-14-02           | 229 | .623 |
| <b>STRANDED CONDUCTOR COLORS 277/480V</b>     |                        |                       |                       |     |      |
| 12-2 STRANDED<br>(YELLOW/GRAY)                | 12 STRANDED<br>(GREEN) | 55-11-08-01           | 55-11-08-02           | 110 | .494 |
| 12-2 STRANDED<br>(BROWN/GRAY)                 | 12 STRANDED<br>(GREEN) | 55-11-10-01           | 55-11-10-02           | 110 | .494 |
| 12-2 STRANDED<br>(ORANGE/GRAY)                | 12 STRANDED<br>(GREEN) | 55-11-12-01           | 55-11-12-02           | 110 | .494 |
| 12-3 STRANDED<br>(BROWN/YELLOW/GRAY)          | 12 STRANDED<br>(GREEN) | 55-11-60-01           | 55-11-60-02           | 134 | .537 |
| 12-3 STRANDED<br>(BROWN/ORANGE/GRAY)          | 12 STRANDED<br>(GREEN) | 55-11-14-01           | 55-11-14-02           | 134 | .537 |
| 12-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)   | 12 STRANDED<br>(GREEN) | 55-11-22-01           | 55-11-22-02           | 164 | .564 |
| 10-2 STRANDED<br>(BROWN/GRAY)                 | 10 STRANDED<br>(GREEN) | 55-12-76-01           | 55-12-76-02           | 159 | .566 |
| 10-3 STRANDED<br>(BROWN/ORANGE/GRAY)          | 10 STRANDED<br>(GREEN) | 55-11-21-01           | 55-11-21-02           | 201 | .607 |
| 10-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)   | 10 STRANDED<br>(GREEN) | 55-12-78-01           | 55-12-78-02           | 242 | .653 |
| <b>INTERMEDIATE CONDUCTOR COLORS 120/208V</b> |                        |                       |                       |     |      |
| 8-2 STRANDED<br>(BLACK/WHITE)                 | 10 STRANDED<br>(GREEN) | 68-70-95-01<br>(200') | 68-70-95-02<br>(500') | 231 | .644 |
| 8-2 STRANDED<br>(RED/WHITE)                   | 10 STRANDED<br>(GREEN) | 55-11-75-01<br>(200') |                       | 231 | .644 |
| 8-2 STRANDED<br>(BLUE/WHITE)                  | 10 STRANDED<br>(GREEN) | 55-11-77-01<br>(200') |                       | 231 | .644 |
| 8-3 STRANDED<br>(BLACK/WHITE/RED)             | 10 STRANDED<br>(GREEN) | 68-71-37-01<br>(200') | 68-71-37-02<br>(500') | 299 | .678 |
| 8-3 STRANDED<br>(RED/BLUE/WHITE)              | 10 STRANDED<br>(GREEN) | 55-11-80-01<br>(200') |                       | 299 | .678 |
| 8-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)        | 10 STRANDED<br>(GREEN) | 68-72-10-04<br>(200') | 68-72-10-02<br>(500') | 378 | .793 |
| 6-2 STRANDED<br>(BLACK/WHITE)                 | 8 STRANDED<br>(GREEN)  | 68-71-03-01<br>(125') | 68-71-03-02<br>(500') | 312 | .716 |
| 6-3 STRANDED<br>(BLACK/WHITE/RED)             | 8 STRANDED<br>(GREEN)  | 68-71-45-01<br>(125') | 68-71-45-02<br>(500') | 442 | .819 |
| 6-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)        | 8 STRANDED<br>(GREEN)  | 68-72-51-01<br>(100') | 68-72-51-02<br>(500') | 546 | .890 |
| 4-3 STRANDED<br>(BLACK/WHITE/RED)             | 8 STRANDED<br>(GREEN)  | 68-71-52-01<br>(100') | 68-71-52.02<br>(500') | 635 | .986 |

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|   |                        |                        |                        |      |       |
|---|------------------------|------------------------|------------------------|------|-------|
| 4-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)  | 8 STRANDED<br>(GREEN)  | 68-72-28-01<br>(100')  | 68-72-28-02<br>(500')  | 797  | 1.077 |
| 3-3 STRANDED<br>(BLACK/WHITE/RED)   | 6 STRANDED<br>(GREEN)  | 68-71-60-01<br>(100')  | 68-71-60-02<br>(500')  | 785  | 1.053 |
| 3-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)  | 6 STRANDED<br>(GREEN)  | 68-72-36-01<br>(100')  | 68-72-36-02<br>(500')  | 985  | 1.152 |
| 2-3 STRANDED<br>(BLACK/WHITE/RED)   | 6 STRANDED<br>(GREEN)  | 68-71-78-01<br>(100')  | 68-71-78-02<br>(500')  | 936  | 1.130 |
| 2-4 STRANDED<br>(BLACK/WHITE/RED/BLUE)  | 6 STRANDED<br>(GREEN)  | 68-72-44-01<br>(100')  | 68-72-44-02<br>(500')  | 1195 | 1.239 |
| <b>INTERMEDIATE CONDUCTOR COLORS 277/480V</b>   |                        |                        |                        |      |       |
| 8-2 STRANDED<br>(BROWN/GRAY)  | 10 STRANDED<br>(GREEN) | 55-11-72-01<br>(200')  | 55-11-72-02<br>(1000') | 231  | .644  |
| 8-2 STRANDED<br>(YELLOW/GRAY)   | 10 STRANDED<br>(GREEN) |                        | 55-11-74-99            | 231  | .644  |
| 8-2 STRANDED<br>(ORANGE/GRAY)   | 10 STRANDED<br>(GREEN) | 55-11-73-01<br>(200')  |                        | 231  | .644  |
| 8-3 STRANDED<br>(BROWN/ORANGE/GRAY)   | 10 STRANDED<br>(GREEN) | 55-11-78-03<br>(500')  | 55-11-78-02<br>(1000') | 299  | .678  |
| 8-3 STRANDED<br>(BROWN/YELLOW/GRAY)   | 10 STRANDED<br>(GREEN) | 55-11-79-01<br>(200')  |                        | 299  | .678  |
| 6-2 STRANDED<br>(BROWN/GRAY)  | 8 STRANDED<br>(GREEN)  | 55-03-75-01<br>(1000') | 55-03-75-99            | 333  | .716  |
| 6-2 STRANDED<br>(YELLOW/GRAY)   | 8 STRANDED<br>(GREEN)  | 56-12-35-01<br>(1000') |                        | 333  | .716  |
| 6-3 STRANDED<br>(BROWN/ORANGE/GRAY)   | 8 STRANDED<br>(GREEN)  | 55-35-41-02<br>(500')  | 55-35-41-03<br>(1000') | 441  | .819  |
| 6-3 STRANDED<br>(BROWN/ORANGE/YELLOW)   | 8 STRANDED<br>(GREEN)  | 55-60-46-03<br>(1000') | 55-60-46-99            | 441  | .819  |
| 6-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)  | 8 STRANDED<br>(GREEN)  | 55-25-78-02<br>(500')  | 55-25-78-01<br>(1000') | 545  | .89   |
| 4-3 STRANDED<br>(BROWN/ORANGE/YELLOW)   | 8 STRANDED<br>(GREEN)  | 55-64-78-03<br>(1000') | 55-64-78-99            | 635  | .985  |
| 4-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)  | 8 STRANDED<br>(GREEN)  | 55-45-80-99            |                        | 800  | 1.076 |
| 2-3 STRANDED<br>(BROWN/ORANGE/YELLOW)   | 6 STRANDED<br>(GREEN)  | 55-43-87-99            |                        | 921  | 1.034 |
| 2-4 STRANDED<br>(BROWN/ORANGE/YELLOW/GRAY)  | 6 STRANDED<br>(GREEN)  | 58-07-40-99            |                        | 1181 | 1.238 |
| For allowable ampacities, refer to NEC 310.15.<br>Available in sizes up to 750 kcmil. |                        |                        |                        |      |       |

## FEATURES

- Reduces installation costs up to 50% over pipe and wire.
- Lightweight aluminum armor--as much as 45% lighter than steel MC Cable.
- Better grounding performance than Type AC
- Also available in barrels, boxes, or prefab assemblies
- UL Classified 1, 2, and 3 hour Through Penetration Firestop Systems: W-J-3037, W-L-3110, W-L-3113, W-L-3117, W-L-3120, W-L-3121, W-L-3160, C-AJ-3115, C-AJ-3140, C-AJ-3142, C-AJ-3145, C-AJ-3173, C-AJ-3202, C-AJ-4065, C-AJ-4066, F-C-3038.
- Cable reverse wound on reel for ease of pulling and installation. When pulling from coils, pull from inside to ensure ease of installation.
- Anti-short bushings are not required for use with MC cable per the NEC and UL

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NEC TABLE 310.15(B)(16)- ALLOWABLE AMPACITY FOR 600V CONDUCTORS

| SIZE<br>AWG OR<br>KCMIL  | TEMPERATURE RATING OF CONDUCTOR |   |   |
|--|---------------------------------|---|---|
|  | 60°C<br>(140°F)                 | 75°C (167°F)  | 90°C (194°F)  |
|  | Types:<br>TW, UF                | Types: RHW,<br>THHW, THW,<br>THWN, XHHW,<br>USE, ZW | Types: TBS, SA, SIS,<br>RHH, RHW-2, THHN,<br>THHW, THW-2, THWN-<br>2, USE-2, XHH, XHHW,<br>XHHW-2, ZW-2 |
| <b>COPPER</b>  |                                 |   |   |
| 18   | -                               | -   | 14  |
| 16   | -                               | -   | 18  |
| 14   | 15                              | 20  | 25  |
| 12   | 20                              | 25  | 30  |
| 10   | 30                              | 35  | 40  |
| 8  | 40                              | 50  | 55  |
| 6  | 55                              | 65  | 75  |
| 4  | 70                              | 85  | 95  |
| 3  | 85                              | 100   | 115   |
| 2  | 95                              | 115   | 130   |
| 1  | 110                             | 130   | 145   |
| 1/0  | 125                             | 150   | 170   |
| 2/0  | 145                             | 175   | 195   |
| 3/0  | 165                             | 200   | 225   |
| 4/0  | 195                             | 230   | 260   |
| 250  | 215                             | 255   | 290   |
| 300  | 240                             | 285   | 320   |
| 350  | 260                             | 310   | 350   |
| 400  | 280                             | 335   | 380   |
| 500  | 320                             | 380   | 430   |
| 600  | 350                             | 420   | 475   |
| 700  | 385                             | 460   | 520   |
| 750  | 400                             | 475   | 535   |
| 800  | 410                             | 490   | 555   |
| 900  | 435                             | 520   | 585   |
| 1000   | 455                             | 545   | 615   |
| 1250   | 495                             | 590   | 665   |
| 1500   | 525                             | 625   | 705   |
| 1750   | 545                             | 650   | 735   |
| 2000   | 555                             | 665   | 750   |
| Per NEC 310.15(B)(5), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor. |                                 |   |   |

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