



## APPLICATIONS

ALUMINUM TYPE MC FOR USE IN BRANCH, FEEDER AND SERVICE POWER DISTRIBUTION UP TO 600V RATED TO REPLACE WIRE AND CONDUIT PER NEC AT 90°C IN DRY LOCATIONS

## CONSTRUCTION

AA-8000 SERIES STRANDED ALUMINUM ALLOY COMPACT CLASS B PER ASTM B801  
MOISTURE AND HEAT RESISTANT CROSS-LINKED POLYETHYLENE (XLPE) INSULATION  
BARE COMPACT AA-8000 GROUND CONDUCTOR  
ALL CONDUCTORS ARE CABLED TOGETHER WITH SEPARATOR TAPE CONTAINING THE IDENTIFICATION PRINT LEGEND  
INTERLOCKED ALUMINUM ARMOR APPLIED OVER THE ASSEMBLY

## STANDARDS

UL 44 THERMOSET-INSULATED WIRES AND CABLES, UL 1569 TYPE MC, METAL CLAD CABLES  
NEC 330 TYPE MC, NEC 300.22 ENVIRONMENTAL AIR-HANDLING SPACES  
PLACES OF ASSEMBLY PER NEC 518.4 AND THEATERS PER NEC 520.5  
SINGLE CONDUCTORS ARE UL LISTED TYPE XHHW/XHHW-2  
FEDERAL SPECIFICATION A-A-59544 (FORMER JC-30B NEC)  
UL APPROVED

## CONDUCTOR IDENTIFICATION

3C: BLACK, RED OR TRIPLE RED STRIPE, WHITE OR TRIPLE WHITE STRIPE  
4C: BLACK, RED OR TRIPLE RED STRIPE, WHITE OR TRIPLE WHITE STRIPE, BLUE OR TRIPLE BLUE STRIPE



**ALUMINUM TYPE MC CABLE, 600V XLPE XHHW-2, 90°C DRY  
ALUMINUM ARMOR, ALUMINUM CONDUCTORS**



| PART NO.                              | CONDUCTOR SIZE<br>(AWG or KCMIL) | INSULATION THICKNESS<br>(MILS) | NOMINAL OD<br>(INCHES) | NET WEIGHT<br>(LBS/MFT) | AMPACITY |      |      |
|---------------------------------------|----------------------------------|--------------------------------|------------------------|-------------------------|----------|------|------|
|                                       |                                  |                                |                        |                         | 60°C     | 75°C | 90°C |
| <b>THREE CONDUCTORS W/BARE GROUND</b> |                                  |                                |                        |                         |          |      |      |
| MC-6-03MCGAL                          | 6-6-6-6                          | 45                             | 0.78                   | 210                     | 40       | 50   | 55   |
| MC-4-03MCGAL                          | 4-4-4-6                          | 45                             | 0.88                   | 285                     | 55       | 65   | 75   |
| MC-2-03MCGAL                          | 2-2-2-6                          | 45                             | 1.01                   | 396                     | 75       | 90   | 100  |
| MC-1-03MCGAL                          | 1-1-1-4                          | 45                             | 1.12                   | 503                     | 85       | 100  | 115  |
| MC-1/0-03MCGAL                        | 1/0-1/0-1/0-4                    | 55                             | 1.20                   | 586                     | 100      | 120  | 135  |
| MC-2/0-03MCGAL                        | 2/0-2/0-2/0-4                    | 55                             | 1.29                   | 687                     | 115      | 135  | 150  |
| MC-3/0-03MCGAL                        | 3/0-3/0-3/0-4                    | 55                             | 1.39                   | 814                     | 130      | 155  | 175  |
| MC-4/0-03MCGAL                        | 4/0-4/0-4/0-2                    | 55                             | 1.50                   | 992                     | 150      | 180  | 205  |
| MC-250-03MCGAL                        | 250-250-250-2                    | 65                             | 1.78                   | 1172                    | 170      | 205  | 230  |
| MC-300-03MCGAL                        | 300-300-300-2                    | 65                             | 1.79                   | 1361                    | 195      | 230  | 260  |
| MC-350-03MCGAL                        | 350-350-350-2                    | 65                             | 1.86                   | 1521                    | 210      | 250  | 280  |
| MC-400-03MCGAL                        | 400-400-400-1                    | 65                             | 1.99                   | 1692                    | 225      | 270  | 305  |
| MC-500-03MCGAL                        | 500-500-500-1                    | 65                             | 2.25                   | 2249                    | 260      | 310  | 350  |
| MC-600-03MCGAL                        | 600-600-600-1                    | 80                             | 2.38                   | 2420                    | 285      | 340  | 385  |
| MC-700-03MCGAL                        | 700-700-700-1/0                  | 80                             | 2.52                   | 2768                    | 315      | 375  | 425  |
| MC-750-03MCGAL                        | 750-750-750-1/0                  | 80                             | 2.68                   | 3213                    | 320      | 385  | 435  |
| MC-900-03MCGAL                        | 900-900-900-250                  | 80                             | 2.78                   | 3556                    | 355      | 425  | 480  |
| <b>FOUR CONDUCTORS W/BARE GROUND</b>  |                                  |                                |                        |                         |          |      |      |
| MC-6-04MCGAL                          | 6-6-6-6-6                        | 45                             | 0.85                   | 269                     | 40       | 50   | 55   |
| MC-4-04MCGAL                          | 4-4-4-4-6                        | 45                             | 0.99                   | 384                     | 55       | 65   | 75   |
| MC-2-04MCGAL                          | 2-2-2-2-6                        | 45                             | 1.11                   | 499                     | 75       | 90   | 100  |
| MC-1-04MCGAL                          | 1-1-1-1-4                        | 55                             | 1.24                   | 655                     | 85       | 100  | 115  |
| MC-1/0-04MCGAL                        | 1/0-1/0-1/0-1/0-4                | 55                             | 1.33                   | 767                     | 100      | 120  | 135  |
| MC-2/0-04MCGAL                        | 2/0-2/0-2/0-2/0-4                | 55                             | 1.42                   | 903                     | 115      | 135  | 150  |
| MC-3/0-04MCGAL                        | 3/0-3/0-3/0-3/0-4                | 55                             | 1.54                   | 1077                    | 130      | 155  | 175  |
| MC-4/0-04MCGAL                        | 4/0-4/0-4/0-4/0-2                | 55                             | 1.66                   | 1313                    | 150      | 180  | 205  |
| MC-250-04MCGAL                        | 250-250-250-250-1                | 65                             | 1.83                   | 1518                    | 170      | 205  | 230  |
| MC-300-04MCGAL                        | 300-300-300-300-1                | 65                             | 1.99                   | 1722                    | 195      | 230  | 260  |
| MC-350-04MCGAL                        | 350-350-350-350-1/0              | 65                             | 2.19                   | 2152                    | 210      | 250  | 280  |
| MC-400-04MCGAL                        | 400-400-400-400-1/0              | 65                             | 2.29                   | 2415                    | 225      | 270  | 305  |
| MC-500-04MCGAL                        | 500-500-500-500-2/0              | 65                             | 2.47                   | 2881                    | 260      | 310  | 350  |
| MC-500-04MCGAL-250                    | 500-500-500-500-250              | 65                             | 2.53                   | 3048                    | 260      | 310  | 350  |
| MC-600-04MCGAL                        | 600-600-600-600-2/0              | 80                             | 2.67                   | 3177                    | 285      | 340  | 385  |
| MC-600-04MCGAL-400                    | 600-600-600-600-400              | 80                             | 2.89                   | 3464                    | 285      | 340  | 385  |
| MC-700-04MCGAL                        | 700-700-700-700-2/0              | 80                             | 2.86                   | 3825                    | 315      | 375  | 425  |
| MC-750-04MCGALR                       | 750-750-750-750-3/0              | 80                             | 2.94                   | 4199                    | 320      | 385  | 435  |
| MC-750-04MCGALF                       | 750-750-750-750-750              | 80                             | 3.30                   | 4473                    | 320      | 385  | 435  |
| MC-900-04MCGALR                       | 900-900-900-900-250              | 80                             | 3.12                   | 4587                    | 355      | 425  | 480  |
| MC-900-04MCGALF                       | 900-900-900-900-900              | 80                             | 3.60                   | 5268                    | 355      | 425  | 480  |

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
60°C, 75°C AND 90°C: AMPACITY FOR GENERAL USE AS SPECIFIED BY NEC SECTION 310.15.