### APPLICATIONS

Type MC cable shall be permitted as follows:

- Permitted use for service, feeders and branch circuits in residential, commercial, industrial, and non-patient care areas/spaces of health care facilities;
- Acceptable for power, lighting, control, and signal circuits;
- Utilized for indoor or outdoor applications, and allowable for concealed or exposed systems;
- Permitted in wet locations per NEC 330.10(A)(11)(a);
- Permitted for direct burial in the earth or embedded in concrete per NEC 330.12(2)(a);
- Acceptable for direct burial where identified for such use;
- Allowable in assembly occupancies (NEC 518.4);
- Permissible in theaters, audience areas of motion pictures, television studios, and similar locations (NEC 520.5);
- Permitted as aerial cable on a messenger and allowable installations in approved raceways and cable trays (NEC 392);
- For use to branch circuits to swimming pool, hot tubs, and spa applications per 680.14 and 330.12(2)(a) and (b);
- Suitable for installation under raised floors for IT equipment (NEC 645.5E) and permitted in Class I Div. 2, Class II Div. 2, and Class III Div. 1 Hazardous Locations;
- Listed for use with UL 1479 - 1, 2, and 3 Hour Through-Penetration Firestop Systems.

### CONSTRUCTION

Available in sizes 14 AWG through 750 KCMIL. Encore’s Metal-Clad Cable is constructed with soft-drawn copper. Type THHN/THWN-2 conductors rated 90°C dry or wet locations. Sizes 14 AWG through 1 AWG contain a green insulated grounding conductor. Larger sizes are supplied with a bare ground conductor. All conductors are cabled together with separator tape containing the identification print legend to form the cable core. Interlocked aluminum armor is applied over the entire assembly. A flame retardant, sunlight-resistant black PVC jacket is applied over the armor.

### FEATURES

- Installation costs reduced up to 50% over raceway and wire. Weight of aluminum armor is as much as 45% less than steel, insulating anti-short bushings are supplied with each reel or coil, but not required per Section 330.40 of the NEC.

### STANDARD CONDUCTOR COLOR CODING

<table>
<thead>
<tr>
<th>No.</th>
<th>PVC</th>
<th>Standard Conductor Color Coding</th>
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<tbody>
<tr>
<td>1</td>
<td>Black PVC Jacket</td>
<td>2 Black/White</td>
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<tr>
<td>2</td>
<td>Galvanized Steel Armor</td>
<td>3 Black/Red/White</td>
</tr>
<tr>
<td>3</td>
<td>Separator Tape</td>
<td>4 Red/Black/White/Blue</td>
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</tbody>
</table>
| 9   | Ground | 5 Green |"
ENGINEERING SPECIFICATIONS

Standards
Underwriters Laboratories Standards UL-83, UL-1569, UL-1581, UL-2556 for Type MC; Federal Specification A-A59544, NEMA RV 1-2014; IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test, IECZA T-29-520 (210,000 Btu/hr) Flame Test; ARRA 2009 NFPA 70 (NEC®) Article 330; ARRA 2009 Section 1605 “Buy American” Compliant; RoHS Compliant; MasterSpec Division 26 Sections 260519, 260523; UL Listing #E-301130

APPLICATIONS
Type MC cable shall be permitted as follows:
- Permitted use for service, feeders and branch circuits in residential, commercial, industrial, and non-patient care areas/spaces of health care facilities;
- Acceptable for power, lighting, control, and signal circuits;
- Utilized for indoor or outdoor applications, and allowable for concealed or exposed systems;
- Permitted in wet locations per NEC 330.10(A)(11)(a);
- Permitted for direct burial in the earth or embedded in concrete per NEC 330.12(2)(a);
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CONSTRUCTION
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FEATURES
Installation costs reduced up to 50% over raceway and wire. Weight of aluminum armor is as much as 45% less than steel. Insulating anti-short bushings are supplied with each reel or coil, but not required per Section 330.40 of the NEC.

Standard Conductor Color Coding

<table>
<thead>
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<th>No.</th>
<th>Color</th>
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<tr>
<td>2</td>
<td>Black/White</td>
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<tr>
<td>3</td>
<td>Black/Red/White/Blue</td>
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<tr>
<td>4</td>
<td>Green/Black</td>
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</tbody>
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<table>
<thead>
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<th>No.</th>
<th>Color</th>
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<tbody>
<tr>
<td>277</td>
<td>Brown/Gray</td>
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<tr>
<td>3</td>
<td>Brown/Orange/Gray</td>
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<tr>
<td>4</td>
<td>Brown/Orange/Gray/Blue</td>
</tr>
</tbody>
</table>

PRINT LEGEND: ENCORE WIRE CORPORATION (SIZE) WITH GROUND TYPE MC CABLE PVC JACKET THHN/THWN-2 INNERS WITH GROUND TYPE MC CABLE PVC JACKET THHN/THWN-2 INNERS

800.962.9473 www.encorewire.com