



## Description

Multiconductor cable with stranded copper conductors, extruded high dielectric strength thermosetting EPR-based insulation, Type XHHW-2, cabled with bare copper grounding conductors and fillers, core binder tape, aluminum interlocked armor (AIA) or galvanized steel interlocked armor (GSIA), overall PVC jacket.

## Specifications

## Ratings

|                           |  |
|---------------------------|--|
| <b>UL</b> UL 44           | Type XHHW-2  |
| <b>UL</b> UL 1569         | Type MC<br>Sunlight Resistant<br>For CT USE<br>Direct Buried |
| <b>ICEA</b> ICEA S-95-658 |  |
| <b>IEEE</b> IEEE 383      |  |

For 90°C Wet or Dry Operation.



## Design Parameters

### Conductor

- Class B Compressed concentric strand soft drawn annealed copper per ASTM.

### Insulation

- Natural, unfilled, flame-retardant, extruded high dielectric strength thermosetting EPR-based insulation, exhibiting an optimum balance of electrical characteristics assuring extended cable life.

### Grounding Conductors

- Bare stranded copper conductors in the interstices per UL and ICEA. UL Listed cables must have grounding conductor(s).

### Assembly

- Insulated conductors cabled with optional moisture-resistant fillers and grounding conductors (as specified), forming a firm and cylindrical cable core. A binder tape is applied to maintain core symmetry and mechanical stability.

### Armor

- Aluminum interlocked armor (AIA) or galvanized steel interlocked armor (GSIA) applied over the cable core.

### Jacket

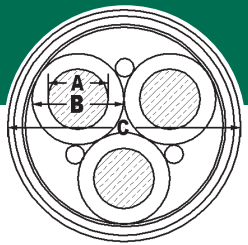
- Black sunlight resistant polyvinyl chloride (PVC) jacket tightly applied over the armor.

## Options

- One grounding conductor
- Aluminum Conductor
- CPE Jacket
- Compact stranded conductors
- Colored jacket
- Oil Resistant Jacket
- RHH/RHW-2 insulation

## Installations

- Direct Buried
- Isolated in Air
- In Cable Tray
- Wet Locations
- Dry Locations
- Industrial
- With Messenger
- Conduit in Air
- Underground Duct



# MULTICONDUCTOR EPR MC

## 600 Volt

| Product Number                             | Conductor  | Insulation Thickness (mils) |    | Jacket Thickness (mils) |        | Ground Wires |      |      | Conductor Diameter (in.) |    |     | Weight (lbs/ft) | Minimum Bending Radius (in.) | † Ampacity (Amps) |      |
|--|------------|-----------------------------|----|-------------------------|--------|--------------|------|------|--------------------------|----|-----|-----------------|------------------------------|-------------------|------|
|  |            |                             |    | No.                     | Size   | (A)          | (B)  | (C)  |                          |    |     |                 |                              |                   | 90°C |
| <b>600 Volt Copper Three Conductor AIA</b> |            |                             |    |                         |        |              |      |      |                          |    |     |                 |                              |                   |      |
| QF2440A                                    | 4 AWG CU   | 45                          | 50 | 3                       | 10 AWG | 0.225        | 0.32 | 1.06 | 820                      | 8  | 95  |                 |                              |                   |      |
| QF4440A                                    | 2 AWG CU   | 45                          | 50 | 3                       | 10 AWG | 0.283        | 0.38 | 1.18 | 1120                     | 9  | 130 |                 |                              |                   |      |
| QF6440A                                    | 1 AWG CU   | 55                          | 50 | 3                       | 10 AWG | 0.322        | 0.44 | 1.32 | 1365                     | 10 | 150 |                 |                              |                   |      |
| QF8440A                                    | 1/0 AWG CU | 55                          | 50 | 3                       | 10 AWG | 0.362        | 0.48 | 1.41 | 1615                     | 10 | 170 |                 |                              |                   |      |
| QF9440A                                    | 2/0 AWG CU | 55                          | 50 | 3                       | 10 AWG | 0.406        | 0.52 | 1.5  | 1930                     | 11 | 195 |                 |                              |                   |      |
| QFA440A                                    | 3/0 AWG CU | 55                          | 60 | 3                       | 8 AWG  | 0.456        | 0.57 | 1.61 | 2365                     | 12 | 225 |                 |                              |                   |      |
| QFB440A                                    | 4/0 AWG CU | 55                          | 60 | 3                       | 8 AWG  | 0.512        | 0.63 | 1.75 | 2875                     | 13 | 260 |                 |                              |                   |      |
| QFC440A                                    | 250 MCM CU | 65                          | 60 | 3                       | 8 AWG  | 0.558        | 0.70 | 1.92 | 3400                     | 14 | 290 |                 |                              |                   |      |
| QFD440A                                    | 350 MCM CU | 65                          | 60 | 3                       | 7 AWG  | 0.661        | 0.80 | 2.14 | 4505                     | 15 | 350 |                 |                              |                   |      |
| QFE440A                                    | 500 MCM CU | 65                          | 75 | 3                       | 6 AWG  | 0.789        | 0.93 | 2.42 | 6140                     | 17 | 430 |                 |                              |                   |      |
| QFF440A                                    | 750 MCM CU | 80                          | 75 | 3                       | 5 AWG  | 0.968        | 1.14 | 2.9  | 9035                     | 21 | 535 |                 |                              |                   |      |

Information Subject to Change without Notice.

**PRODUCT NOTES:**

▲ Items are Prysmian authorized stock.  
The above dimensions are approximate and subject to normal manufacturing tolerances.

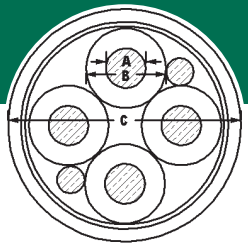
†Ampacities are based on the following:

NEC Table 310-16: Insulated three conductor cable installed in raceway or cable in free air or earth (directly buried), and ambient air temperature and 90°C conductor operating temperatures.



1-800-845-8507 (US)  
1-800-263-4405 (West-CAN)  
1-800-361-1418 (East-CAN)

www.prysmianusa.com  
www.prysmiancanada.com



# MULTICONDUCTOR EPR MC

600 Volt

| Product Number                            | Conductor  | Insulation Thickness (mils) |      | Jacket Thickness (mils) |        | Ground Wires |      |      | Conductor Diameter (in.) |     | Insulation Diameter (in.) |     | Overall Diameter (in.) |     | Weight (lbs/ft) |     | Minimum Bending Radius (in.) |     | † Ampacity (Amps) |  |  |
|---|------------|-----------------------------|------|-------------------------|--------|--------------|------|------|--------------------------|-----|---------------------------|-----|------------------------|-----|-----------------|-----|------------------------------|-----|-------------------|--|--|
|   |            | No.                         | Size | (A)                     | (B)    | (C)          | (A)  | (B)  | (C)                      | (A) | (B)                       | (C) | (A)                    | (B) | (C)             | (A) | (B)                          | (C) | 90°C              |  |  |
| <b>600 Volt Copper Four Conductor AIA</b> |            |                             |      |                         |        |              |      |      |                          |     |                           |     |                        |     |                 |     |                              |     |                   |  |  |
| QF245ØA                                   | 4 AWG CU   | 45                          | 50   | 2                       | 10 AWG | 0.225        | 0.32 | 1.14 | 980                      | 8   | 95                        |     |                        |     |                 |     |                              |     |                   |  |  |
| QF445ØA                                   | 2 AWG CU   | 45                          | 50   | 2                       | 8 AWG  | 0.283        | 0.38 | 1.28 | 1395                     | 9   | 130                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QF645ØA                                   | 1 AWG CU   | 55                          | 50   | 2                       | 8 AWG  | 0.322        | 0.44 | 1.44 | 1725                     | 11  | 150                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QF845ØA                                   | 1/0 AWG CU | 55                          | 50   | 2                       | 8 AWG  | 0.362        | 0.48 | 1.53 | 2050                     | 11  | 170                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QF945ØA                                   | 2/0 AWG CU | 55                          | 50   | 2                       | 8 AWG  | 0.406        | 0.52 | 1.64 | 2470                     | 12  | 195                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QFA45ØA                                   | 3/0 AWG CU | 55                          | 60   | 2                       | 6 AWG  | 0.456        | 0.57 | 1.78 | 3060                     | 13  | 225                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QFB45ØA                                   | 4/0 AWG CU | 55                          | 60   | 2                       | 6 AWG  | 0.512        | 0.63 | 1.94 | 3750                     | 14  | 260                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QFC45ØA                                   | 250 MCM CU | 65                          | 60   | 2                       | 6 AWG  | 0.558        | 0.70 | 2.10 | 4365                     | 15  | 290                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QFD45ØA                                   | 350 MCM CU | 65                          | 60   | 2                       | 5 AWG  | 0.661        | 0.80 | 2.35 | 5840                     | 17  | 350                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QFE45ØA                                   | 500 MCM CU | 65                          | 75   | 2                       | 4 AWG  | 0.789        | 0.93 | 2.69 | 8055                     | 19  | 430                       |     |                        |     |                 |     |                              |     |                   |  |  |
| QFF45ØA                                   | 750 MCM CU | 80                          | 75   | 2                       | 3 AWG  | 0.968        | 1.14 | 3.20 | 11775                    | 23  | 535                       |     |                        |     |                 |     |                              |     |                   |  |  |

Information Subject to Change without Notice.

**PRODUCT NOTES:**

▲ Items are Prysmian authorized stock.  
The above dimensions are approximate and subject to normal manufacturing tolerances.

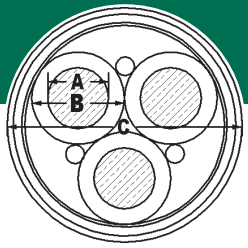
†Ampacities are based on the following:

NEC Tables 310-16 and 310-15(b)(2)(a); Insulated four conductor cable installed in raceway or cable in free air, 30°C ambient air temperature, and 90°C conductor operating temperature.



1-800-845-8507 (US)  
1-800-263-4405 (West-CAN)  
1-800-361-1418 (East-CAN)

www.prysmianusa.com  
www.prysmiancanada.com



# MULTICONDUCTOR EPR MC

600 Volt

| Product Number                              | Conductor  | Insulation Thickness (mils) |              | Qty. | Size   | Conductor Diameter (in.) |      |      | Weight (lbs/ft) | Minimum Bending Radius (in.) | † Ampacity (Amps) |
|---|------------|-----------------------------|--------------|------|--------|--------------------------|------|------|-----------------|------------------------------|-------------------|
|   |            | Jacket                      | Ground Wires |      |        | (A)                      | (B)  | (C)  |                 |                              |                   |
| <b>600 Volt Copper Three Conductor GSIA</b> |            |                             |              |      |        |                          |      |      |                 |                              |                   |
| QF2460A                                     | 4 AWG CU   | 45                          | 50           | 3    | 10 AWG | 0.225                    | 0.32 | 1.04 | 980             | 8                            | 95                |
| QF4460A                                     | 2 AWG CU   | 45                          | 50           | 3    | 10 AWG | 0.283                    | 0.38 | 1.16 | 1300            | 9                            | 130               |
| QF6460A                                     | 1 AWG CU   | 55                          | 50           | 3    | 10 AWG | 0.322                    | 0.44 | 1.30 | 1575            | 10                           | 150               |
| QF8460A                                     | 1/0 AWG CU | 55                          | 50           | 3    | 10 AWG | 0.362                    | 0.48 | 1.39 | 1845            | 10                           | 170               |
| QF9460A                                     | 2/0 AWG CU | 55                          | 50           | 3    | 10 AWG | 0.406                    | 0.52 | 1.48 | 2175            | 11                           | 195               |
| QFA460A                                     | 3/0 AWG CU | 55                          | 60           | 3    | 8 AWG  | 0.456                    | 0.57 | 1.59 | 2630            | 12                           | 225               |
| QFB460A                                     | 4/0 AWG CU | 55                          | 60           | 3    | 8 AWG  | 0.512                    | 0.63 | 1.73 | 3165            | 13                           | 260               |
| QFC460A                                     | 250 MCM CU | 65                          | 60           | 3    | 8 AWG  | 0.558                    | 0.70 | 1.91 | 3815            | 14                           | 260               |
| QFD460A                                     | 350 MCM CU | 65                          | 60           | 3    | 7 AWG  | 0.661                    | 0.80 | 2.13 | 4975            | 15                           | 350               |
| QFE460A                                     | 500 MCM CU | 65                          | 75           | 3    | 6 AWG  | 0.789                    | 0.93 | 2.44 | 6685            | 18                           | 430               |
| QFF460A                                     | 750 MCM CU | 80                          | 75           | 3    | 5 AWG  | 0.968                    | 1.14 | 2.89 | 9695            | 21                           | 535               |

Information Subject to Change without Notice.

**PRODUCT NOTES:**

▲ Items are Prysmian authorized stock.  
The above dimensions are approximate and subject to normal manufacturing tolerances.

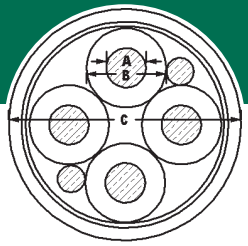
†Ampacities are based on the following:

NEC Table 310-16: Insulated three conductor cable installed in raceway or cable in free air or earth (directly buried), 30°C ambient air temperature and 90°C conductor operating temperatures.



1-800-845-8507 (US)  
1-800-263-4405 (West-CAN)  
1-800-361-1418 (East-CAN)

www.prysmianusa.com  
www.prysmiancanada.com



# MULTICONDUCTOR EPR MC

# 600 Volt

| Product Number                             | Conductor  | Insulation Thickness (mils) |           | Ground Wires | Conductor Diameter (in.) |       |      | Overall Diameter (in.) | Weight (lbs/ft) | Minimum Bending Radius (in.) | † Ampacity (Amps) |
|--|------------|-----------------------------|-----------|--------------|--------------------------|-------|------|------------------------|-----------------|------------------------------|-------------------|
|  |            | Jacket                      | Conductor |              | (A)                      | (B)   | (C)  |                        |                 |                              |                   |
|  |            |                             |           | No.          | Size                     |       |      |                        |                 | 90°C                         |                   |
| <b>600 Volt Copper Four Conductor GSIA</b> |            |                             |           |              |                          |       |      |                        |                 |                              |                   |
| QF2470A                                    | 4 AWG CU   | 45                          | 50        | 2            | 10 AWG                   | 0.225 | 0.32 | 1.12                   | 1155            | 8                            | 76                |
| QF4470A                                    | 2 AWG CU   | 45                          | 50        | 2            | 8 AWG                    | 0.283 | 0.38 | 1.26                   | 1600            | 9                            | 104               |
| QF6470A                                    | 1 AWG CU   | 55                          | 50        | 2            | 8 AWG                    | 0.322 | 0.44 | 1.42                   | 1960            | 10                           | 120               |
| QF8470A                                    | 1/0 AWG CU | 55                          | 50        | 2            | 8 AWG                    | 0.362 | 0.48 | 1.51                   | 2305            | 11                           | 136               |
| QF9470A                                    | 2/0 AWG CU | 55                          | 50        | 2            | 8 AWG                    | 0.406 | 0.52 | 1.62                   | 2740            | 12                           | 156               |
| QFA470A                                    | 3/0 AWG CU | 55                          | 60        | 2            | 6 AWG                    | 0.456 | 0.57 | 1.76                   | 3355            | 13                           | 180               |
| QFB470A                                    | 4/0 AWG CU | 55                          | 60        | 2            | 6 AWG                    | 0.512 | 0.63 | 1.93                   | 4170            | 14                           | 208               |
| QFC470A                                    | 250 MCM CU | 65                          | 60        | 2            | 6 AWG                    | 0.558 | 0.70 | 2.09                   | 4825            | 15                           | 232               |
| QFD470A                                    | 350 MCM CU | 65                          | 60        | 2            | 5 AWG                    | 0.661 | 0.80 | 2.34                   | 6365            | 17                           | 280               |
| QFE470A                                    | 500 MCM CU | 65                          | 75        | 2            | 4 AWG                    | 0.789 | 0.93 | 2.68                   | 8660            | 19                           | 344               |
| QFF470A                                    | 750 MCM CU | 80                          | 75        | 2            | 3 AWG                    | 0.968 | 1.14 | 3.19                   | 12510           | 23                           | 428               |

Information Subject to Change without Notice.

**PRODUCT NOTES:**

▲ Items are Prysmian authorized stock.  
The above dimensions are approximate and subject to normal manufacturing tolerances.

†Ampacities are based on the following:

NEC Tables 310-16 and 310-15(b)(2)(a); Insulated four conductor cable installed in raceway or cable in free air, 30°C ambient air temperature, and 90°C conductor operating temperature.



1-800-845-8507 (US)  
1-800-263-4405 (West-CAN)  
1-800-361-1418 (East-CAN)

www.prysmianusa.com  
www.prysmiancanada.com