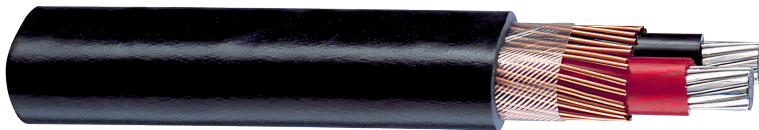


600 Volt USEB90

Low Voltage Utility Cables



Description

Three conductor cable with two aluminum phase conductors insulated with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation that is formulated for a balance of flexibility and mechanical toughness, in a parallel assembly, a concentrically applied uninsulated neutral conductor, binder tape, and an overall PVC jacket.

Specifications

CSA- CSA C22.2 No. 52

Ratings

-40°C
FT1
Sunlight Resistant

For 90°C Wet or Dry Operation.

Options

- Colored insulation
- Colored jacket
- Copper or ACM conductors
- 4/C USEB 90

Installation



Conduit in Air



Direct Buried



Underground Duct



Wet Locations



Dry Locations



Utility Secondary



Industrial

Design Parameters

CONDUCTOR: Two, Class B Compact, aluminum alloy 1350 per ASTM.

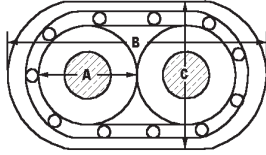
INSULATION: High dielectric strength low temperature cross-linked polyethylene (XLPE) insulation, exhibiting an optimum balance of mechanical & electrical properties to assure extended cable life.

ASSEMBLY: Full or reduced copper neutral conductor helically applied over the paralleled phase conductors. A binder tape is applied over the neutral conductor.

JACKET: Black low-temperature polyvinyl chloride (PVC) is extruded over the assembly.

600 Volt USEB90

Low Voltage Utility Cables



| Product Number | Phase Conductor | Insulation Thickness (mils) | Insulation Diameter (mm) | Major Dimension (mm) | Minor Dimension (mm) | Cable Weight (kg/km) | Neutral Configuration | Reduced or Full Neutral | † Ampacity (Amps) |
|--|-----------------|-----------------------------|--------------------------|----------------------|----------------------|----------------------|------------------------------|-------------------------|-------------------|
| | | | (A) | (B) | (C) | | Number of Wires & Size (AWG) | | |
| 600 Volt Aluminum Two Conductor | | | | | | | | | |
| Q0J94YC | 6 AWG AL | 45 | 6.68 | 19.30 | 12.62 | 268 | 7-#18 | Reduced | 55 |
| Q0J940C | 6 AWG AL | 45 | 6.68 | 19.30 | 12.62 | 304 | 11-#18 | Full | 55 |
| Q0K94YC | 4 AWG AL | 45 | 7.80 | 22.56 | 14.76 | 402 | 11-#18 | Reduced | 75 |
| Q0K940C | 4 AWG AL | 45 | 7.80 | 22.56 | 14.76 | 449 | 17-#18 | Full | 75 |
| QZ5568C | 3 AWG AL | 45 | 8.46 | 24.36 | 15.90 | 476 | 9-#16 | Reduced | 85 |
| QZ5589C | 3 AWG AL | 45 | 8.46 | 24.36 | 15.90 | 525 | 13-#16 | Full | 85 |
| Q0M94YC | 2 AWG AL | 45 | 9.19 | 25.88 | 16.69 | 557 | 11-#16 | Reduced | 100 |
| Q0M940C | 2 AWG AL | 45 | 9.19 | 25.88 | 16.69 | 630 | 17-#16 | Full | 100 |
| Q0O94YC | 1 AWG AL | 55 | 10.54 | 28.58 | 18.03 | 669 | 13-#16 | Reduced | 115 |
| Q0O940C | 1 AWG AL | 55 | 10.54 | 28.58 | 18.03 | 767 | 21-#16 | Full | 115 |
| Q0Q94YC | 1/0 AWG AL | 55 | 11.48 | 30.45 | 18.97 | 801 | 17-#16 | Reduced | 135 |
| Q0Q940C | 1/0 AWG AL | 55 | 11.48 | 30.45 | 18.97 | 910 | 26-#16 | Full | 135 |
| Q0R94YC | 2/0 AWG AL | 55 | 12.50 | 32.49 | 19.99 | 958 | 22-#16 | Reduced | 150 |
| Q0R940C | 2/0 AWG AL | 55 | 12.50 | 33.15 | 20.65 | 1108 | 21-#14 | Full | 150 |
| Q0S94YC | 3/0 AWG AL | 55 | 13.72 | 34.93 | 21.21 | 1135 | 26-#16 | Reduced | 175 |
| Q0S940C | 3/0 AWG AL | 55 | 13.72 | 35.59 | 21.87 | 1330 | 26-#14 | Full | 175 |
| Q0T94YC | 4/0 AWG AL | 55 | 15.04 | 38.23 | 23.19 | 1386 | 21-#14 | Reduced | 205 |
| Q0T940C | 4/0 AWG AL | 55 | 15.04 | 39.12 | 24.08 | 1642 | 21-#12 | Full | 205 |
| Q0U94YC | 250 MCM AL | 65 | 16.79 | 41.73 | 24.94 | 1653 | 26-#14 | Reduced | 230 |
| Q0U940C | 250 MCM AL | 65 | 16.79 | 42.62 | 25.83 | 1967 | 26-#12 | Full | 230 |
| QZ5569C | 300 MCM AL | 65 | 18.08 | 46.74 | 28.65 | 2102 | 21-#12 | Reduced | 260 |
| QZ5590C | 300 MCM AL | 65 | 18.08 | 47.80 | 29.72 | 2501 | 21-#10 | Full | 260 |
| Q0V94YC | 350 MCM AL | 65 | 19.23 | 49.02 | 29.79 | 2421 | 26-#12 | Reduced | 280 |
| Q0V940C | 350 MCM AL | 65 | 19.23 | 50.09 | 30.86 | 2861 | 25-#10 | Full | 280 |

PRODUCT NOTES:

^S Items are Prysmian authorized stock.
The above dimensions are approximate and subject to normal manufacturing tolerances.
All metric (SI) dimensions are derived from a soft conversion

† Ampacities are based on the following:

Canadian Electrical Code, Part 1, Rule 4-004, Subrule (2)(b), as specified in Table 4, 2- or 3-conductor cable, 85-90°C conductor temperature, 30°C ambient temperature.

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