



Description

Single copper conductor with 600 Volt, XLPE insulation.

Specifications

UL UL 44

Ratings

Type RHH/RHW-2
CT USE (1/0 AWG and Larger)
VW-1
Sunlight Resistant

UL UL 854

Type USE-2

ICEA ICEA S-95-658

FED Federal Specification JC-30B

IEEE IEEE 383 Flame Test (1/0 AWG and Larger)

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Single conductor, annealed Class B Compressed concentric copper stranded per ASTM.

Insulation

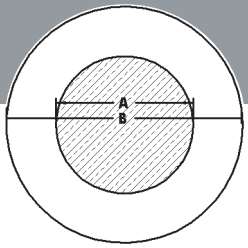
- High quality, tough, heat resistant and moisture resistant thermosetting cross-linked polyethylene insulation.

Options

- Compact Conductor

Installations

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



TYPE RHH/RHW/USE-2 CT-RATED

600 Volt

| Product Number | Conductor | Insulation Thickness (mils) | Conductor Diameter (in.) | | Overall Diameter (in.) | Cable Weight (lbs./Kft) | † Ampacity (Amps) | |
|------------------------|-------------|-----------------------------|--------------------------|------|------------------------|-------------------------|----------------------------|-------------|
| | | | (A) | (B) | | | Raceway or Directly Buried | In Free air |
| 600 Volt Copper | | | | | | | | |
| QØ182AA | 8 AWG CU | 60 | 0.143 | 0.27 | 75 | 55 | 80 | |
| QØJ82AA | 6 AWG CU | 60 | 0.180 | 0.31 | 110 | 75 | 105 | |
| QØK82AA | 4 AWG CU | 60 | 0.226 | 0.36 | 160 | 95 | 140 | |
| QØM82AA | 2 AWG CU | 60 | 0.284 | 0.42 | 250 | 130 | 190 | |
| QØO82AA | 1 AWG CU | 80 | 0.324 | 0.50 | 310 | 150 | 220 | |
| QØQ82AA | 1/0 AWG CU | 80 | 0.364 | 0.54 | 390 | 170 | 260 | |
| QØR82AA | 2/0 AWG CU | 80 | 0.408 | 0.58 | 480 | 195 | 300 | |
| QØS82AA | 3/0 AWG CU | 80 | 0.458 | 0.63 | 590 | 225 | 350 | |
| QØT82AA | 4/0 AWG CU | 80 | 0.515 | 0.69 | 730 | 260 | 405 | |
| QØU82AA | 250 MCM CU | 95 | 0.561 | 0.77 | 880 | 290 | 455 | |
| QYZØ38A | 300 MCM CU | 95 | 0.614 | 0.80 | 1007 | 320 | 505 | |
| QØV82AA | 350 MCM CU | 95 | 0.664 | 0.87 | 1200 | 350 | 570 | |
| QØW82AA | 500 MCM CU | 95 | 0.794 | 1.00 | 1680 | 430 | 700 | |
| QØX82AA | 750 MCM CU | 110 | 0.974 | 1.21 | 2520 | 535 | 885 | |
| QØY82AA | 1000 MCM CU | 110 | 1.124 | 1.35 | 3330 | 615 | 1055 | |

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:

In Raceway or Directly Buried (NEC Table 310-16): Not more than three current-carrying conductors, 90°C conductor temperature, and 30°C ambient temperature.
In Free Air (NEC Table 310-17): Single-insulated conductor, 90°C conductor temperature, and 30°C ambient temperature.

In Cable Tray (NEC Article 318-11): For single-conductor cables installed in accordance with NEC Article 318-9, ampacities shall not exceed the allowable ampacities stated in NEC Table 310-17.

