

RHH RHW-2 USE-2

Underground Service Entrance Cable • 600 Volts • Oxygen Free Copper Conductor • Dead Soft Annealed Cross-Linked Polyethylene (XLP) Insulation High-Heat and Moisture Resistant
Sizes 6 through 4/0 AWG Also Rated SIS



Applications

- Pro-Line Type RHH or RHW-2 or USE-2 conductors are used with conduit as specified in the National Electrical Code¹
- When used as Type USE-2, conductor is suitable for use as underground service entrance cable for direct burial at conductor temperatures not to exceed 90°C
- When used as RHH, conductor temperatures shall not exceed 90°C in dry locations
- When used as RHW-2 or USE-2, conductor temperatures shall not exceed 90°C in wet or dry locations
- Voltage rating for RHH or RHW-2 or USE-2 conductors is 600 volts

Standards and References

Pro-Line Type RHH or RHW-2 or USE-2 meets or exceeds UL Standard 44 (for RHH or RHW-2), UL Standard 854 (for USE-2), Federal Specification A-A-59544, and requirements of the National Electrical Code.

Construction

- Pro-Line Type RHH or RHW-2 or USE-2 copper conductors are annealed (soft copper).
- Insulation is an abrasion, moisture, heat, and sunlight resistant black cross-linked-polyethylene (XLP).

Specifications

Conductors shall be UL-listed Type RHH or RHW-2 or USE-2, suitable for operation at 600 volts or less in wet or dry locations, including direct burial in the earth. Conductors shall be annealed copper, cross-linked polyethylene (XLP) insulated. Type RHH or RHW-2 or USE-2 shall be PRO-LINE WIRE & CABLE or approved equal.

WEIGHTS, MEASUREMENTS AND PACKAGING

| CONDUCTOR | | INSULATION THICKNESS (mils) | NOMINAL O.D. (mils) | ALLOWABLE AMPACITIES† | | | APPROX. NET WEIGHT PER 1000 FT. (lbs) | STANDARD PACKAGING |
|---------------------|-------------------|-----------------------------|---------------------|-----------------------|------|------|---------------------------------------|--------------------|
| SIZE (AWG or kcmil) | NUMBER OF STRANDS | | | 60°C | 75°C | 90°C | | |
| 14 | 7 | 45 | 160 | 15 | 15 | 15 | 21 | |
| 12 | 7 | 45 | 177 | 20 | 20 | 20 | 30 | |
| 10 | 7 | 45 | 201 | 30 | 30 | 30 | 44 | |
| 8 | 7 | 60 | 262 | 40 | 50 | 55 | 72 | |
| 6 | 7 | 60 | 297 | 55 | 65 | 75 | 106 | |
| 4 | 7 | 60 | 344 | 70 | 85 | 95 | 156 | |
| 2 | 7 | 60 | 400 | 95 | 115 | 130 | 238 | |
| 1 | 19 | 80 | 484 | 110 | 130 | 150 | 309 | |
| 1/0 | 19 | 80 | 523 | 125 | 150 | 170 | 381 | |
| 2/0 | 19 | 80 | 567 | 145 | 175 | 195 | 472 | |
| 3/0 | 19 | 80 | 617 | 165 | 200 | 225 | 586 | |
| 4/0 | 19 | 80 | 673 | 195 | 230 | 260 | 729 | |
| 250 | 37 | 95 | 751 | 215 | 255 | 290 | 867 | |
| 300 | 37 | 95 | 804 | 240 | 285 | 320 | 1029 | |
| 350 | 37 | 95 | 854 | 260 | 310 | 350 | 1191 | |
| 400 | 37 | 95 | 899 | 280 | 335 | 380 | 1352 | |
| 500 | 37 | 95 | 983 | 320 | 380 | 430 | 1674 | |
| 600 | 61 | 110 | 1089 | 355 | 420 | 475 | 2012 | |
| 750 | 61 | 110 | 1191 | 400 | 475 | 535 | 2492 | |
| 1000 | 61 | 110 | 1340 | 455 | 545 | 615 | 3288 | |

PART NUMBER DESIGNATION: SIZE (AWG)

| 14 AWG | 12 AWG | 10 AWG | 8 AWG | 6 AWG | 4 AWG | 2 AWG | 1 AWG | 1/0 AWG | 2/0 AWG | 3/0 AWG | 4/0 AWG |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|---------|---------|---------|---------|
| 71006 | 71007 | 71008 | 71009 | 71010 | 71011 | 71013 | 71014 | 71015 | 71016 | 71017 | 71018 |
| 250 kcmil | 300 kcmil | 350 kcmil | 400 kcmil | 500 kcmil | 600 kcmil | 750 kcmil | 1000 kcmil | | | | |
| 71019 | 71020 | 71021 | 71022 | 71023 | 71024 | 71025 | 71026 | | | | |

PART NUMBER DESIGNATION: COLOR CODE

| BLACK | BLUE* | BROWN* | GRAY* | GREEN* | ORANGE* | PINK* | PURPLE* | RED* | TAN* | WHITE* | YELLOW* |
|-------|-------|--------|-------|--------|---------|-------|---------|------|------|--------|---------|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 |

PART NUMBER DESIGNATION: PACKAGE CODE

| 500' REEL | 1000' REEL | 2500' REEL | 5000' REEL | | | | | | | | |
|-----------|------------|------------|------------|--|--|--|--|--|--|--|--|
| 11 | 14 | 20 | 25 | | | | | | | | |

