



## USE-2 or RHH/RHW-2

**CT Rated  
600 Volt Copper**

### Description:

Single copper conductor, stranded and insulated with moisture and heat resistant, chemically crosslinked polyethylene. **Available in colors.**

### Application:

Suitable for use in general purpose wiring applications and may be installed in raceway, conduit, direct burial and aerial installations where a cable having superior flame retardance is required. Suitable for use in 105°C dry systems. Also suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less (Hospital Grade).

### Standards:

ASTM Standards:  
 B-3 (soft or annealed)  
 B-8 (concentric lay stranded)  
 B787 (combination strand)  
 UL 44 and UL 854  
 C(UL)US RW90 1kV: CSA/UL Listed  
 C(UL) RPV90 600V  
 ICEA S-95-658/NEMA WC-70  
 Federal Spec. A-A-59544  
 Flame Rated: CT Use (1/0 AWG and larger)  
 Temperature Rated at 90°C Wet/Dry  
 Cold Temperature Rated at -40°C  
 Sunlight Resistant  
 Gasoline and Oil Resistant II  
 Direct Burial  
 RoHS Compliant

| Part Number | Size AWG or Kcmil | Strand (no.) | Insulation Thickness (mils) | Approx. Diameter Overall (inch) | Approx. Net Weight (lb/1000') | Ampacity* 90°C Wet/Dry |
|-------------|-------------------|--------------|-----------------------------|---------------------------------|-------------------------------|------------------------|
| USE14BK     | 14                | 7            | 45                          | 0.163                           | 21                            | 35†                    |
| USE12BK     | 12                | 7            | 45                          | 0.182                           | 30                            | 40†                    |
| USE10BK     | 10                | 7            | 45                          | 0.206                           | 42                            | 55†                    |
| USE8BK      | 8                 | 7            | 60                          | 0.266                           | 68                            | 80                     |
| USE6BK      | 6                 | 7            | 60                          | 0.304                           | 102                           | 105                    |
| USE4BK      | 4                 | 7            | 60                          | 0.352                           | 153                           | 140                    |
| USE3BK      | 3                 | 7            | 60                          | 0.380                           | 189                           | 165                    |
| USE2BK      | 2                 | 7            | 60                          | 0.412                           | 234                           | 190                    |
| USE1BK      | 1                 | 19           | 80                          | 0.481                           | 304                           | 220                    |
| USE1/0BK    | 1/0               | 19           | 80                          | 0.520                           | 379                           | 260                    |
| USE2/0BK    | 2/0               | 19           | 80                          | 0.564                           | 470                           | 300                    |
| USE3/0BK    | 3/0               | 19           | 80                          | 0.614                           | 583                           | 350                    |
| USE4/0BK    | 4/0               | 19           | 80                          | 0.670                           | 725                           | 405                    |
| USE250BK    | 250               | 37           | 95                          | 0.765                           | 866                           | 455                    |
| USE300BK    | 300               | 37           | 95                          | 0.819                           | 1,028                         | 500                    |
| USE350BK    | 350               | 37           | 95                          | 0.871                           | 1,190                         | 570                    |
| USE400BK    | 400               | 37           | 95                          | 0.918                           | 1,350                         | 615                    |
| USE500BK    | 500               | 37           | 95                          | 1.003                           | 1,671                         | 700                    |
| USE600BK    | 600               | 61           | 110                         | 1.113                           | 2,015                         | 780                    |
| USE750BK    | 750               | 61           | 110                         | 1.218                           | 2,496                         | 885                    |

\*Per NEC-Table 310-17.

†The overcurrent protection for items marked with an obelisk (†) shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG per NEC 310-17 footnote.  
 NOTE: The data shown is approximate and subject to standard industry tolerances.

**XLPE USE-2, RHH/RHW-2 CT**

**Single Conductors**