# CU 600V Royal® Bus Drop Cable

600 Volt. 60°C PVC Insulation and Jacket. Outdoor Rated.




Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Class C stranded bare copper per ASTM B8
2. **Insulation:** Polyvinyl Chloride (PVC)
   Color Code: 3/C Black, White, Red; 4/C Black, White, Red, Blue
3. **Grounding Conductor:** Class K stranded bare copper per ASTM B174
4. **Filler:** Polypropylene fillers as necessary for a round assembly
5. **Binder:** Tissue Paper
6. **Overall Jacket:** Gray, Polyvinyl Chloride (PVC) Jacket.

## APPLICATIONS AND FEATURES:

Southwire Bus Drop Cable is suitable for use as branches from busways per the National Electrical Code® and for the connection of stationary equipment to facilitate the relocation of equipment.

## SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- UL 509 Bus Drop Cable

## SAMPLE PRINT LEGEND:

SOUTHWIRE(R) ROYAL(R) E357438 14-3 BUS DROP CABLE TW INS. 600V (UL) 60C OUTDOOR

### Table 1 – Weights and Measurements

| Cond. Size | Cond. Number | Strand Count | Diameter Over Conductor | Insul. Thickness | Dia. Over Insulation | Ground | Jacket Thickness | Approx. OD | Copper Weight | Approx. Weight | Jacket Color |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG/ Kcmil | | No. of Strands | inch | mil | inch | No. x AWG | mil | inch | lb/1000ft | lb/1000ft | |
| 10 | 4 | 19 | 0.117 | 30 | 0.177 | 4 x 16 | 60 | 0.491 | 159 | 223 | GY |

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

### Table 2 – Electrical and Engineering Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10 | 4 | 2 | 1.04 | 1.291 | 0.05 | 28 | 32 |

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* Ampacities based upon 2023 NEC Table 310.16 and do not take into account the overcurrent protection limitations in NEC 240.4(D) of 15 Amps for 14 AWG CU, 20 Amps for 12 AWG CU, and 30 Amps for 10 AWG CU (independent of the conductor temperature rating and stranding if size is present in table). Also, see NEC sections 310.15 and 110.14(C) for additional requirements.
* Ampacities have been adjusted for more than Three Current-Carrying Conductors.


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