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

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Table 1 – Weights and Measurements

Stock Number	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	
552123	14	3	19	0.073	30	0.133	3 x 18	45	0.379	54	100	GY
552124	12	3	19	0.09	30	0.15	3 x 16	45	0.42	84	138	GY
570109	12	4	19	0.09	30	0.15	4 x 18	45	0.411	102	150	GY
552126	10	3	19	0.117	30	0.177	3 x 14	45	0.488	135	206	GY
570110	10	4	19	0.117	30	0.177	4 x 16	60	0.491	159	223	GY
552127	8	3	19	0.143	45	0.233	3 x 14	60	0.64	193	316	GY
552128	6	3	19	0.179	60	0.299	3 x 14	60	0.804	284	479	GY
552129	4	3	19	0.226	60	0.346	3 x 12	80	0.95	451	746	GY
552130	2	3	19	0.286	60	0.406	3 x 12	80	1.071	681	996	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

Stock Number	Cond. Size	Cond. Number	Min Bending Radius	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity At 75°C	Allowable Ampacity At 90°C
	AWG/ Kcmil		inch	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp	Amp
552123	14	3	1.5	2.631	3.265	0.058	20	25
552124	12	3	1.7	1.662	2.063	0.054	25	30
570109	12	4	1.6	1.662	2.063	0.054	20	24
552126	10	3	2	1.04	1.291	0.05	35	40
570110	10	4	2	1.04	1.291	0.05	28	32
552127	8	3	2.6	0.653	0.81	0.052	50	55
552128	6	3	3.2	0.411	0.51	0.051	65	75
552129	4	3	3.8	0.258	0.32	0.048	85	95
552130	2	3	5.4	0.162	0.201	0.045	115	130

***** 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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