

Landscape Low-Voltage 150 Volt Lighting

-20°C to +60°C, 150 Volts Rated, UL ULEC and CSA LVLL

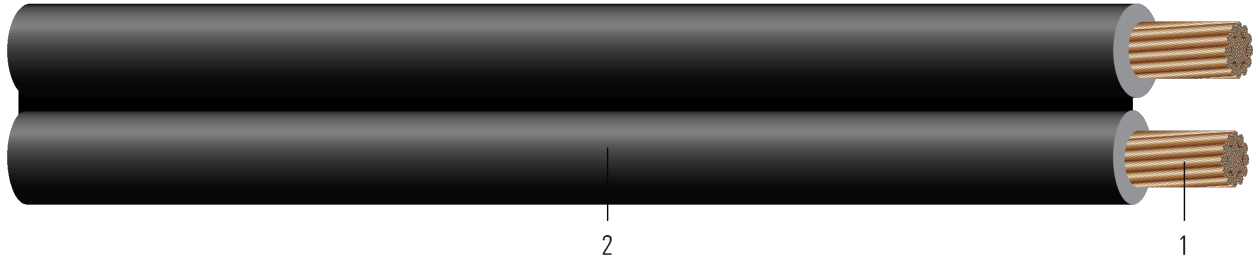


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class K, flexible stranded bare copper per ASTM B172
2. **Overall Insulation/Jacket:** Polyvinyl Chloride (PVC)

APPLICATIONS AND FEATURES:

- Outdoor Low-Voltage Underground Landscape Lighting Cable is designed for landscape, security, and outdoor accent lighting applications not to exceed 150 volts.
- Landscape Lighting Cable is Sunlight Resistant suitable for Direct Burial Stranded Copper Conductor Black PVC Insulation/Jacket.

SPECIFICATIONS:

- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

SOUTHWIRE 2/C XX AWG (X.XXmm²) UNDERGROUND LOW ENERGY CIRCUIT CABLE SUNLIGHT RESISTANT 60(D)C 150V (UL) (CSA) LVLL 60(D)C 30V FT1,FT2 LL90458

Table 1 – Weights and Measurements

Stock Number	Cond. Size AWG/Kcmil	Cond. Number	Strand Count No. of Strands	Diameter Over Conductor inch	Approx. OD inch	Copper Weight lb/1000ft	Approx. Weight lb/1000ft
552131	16	2	26	0.059	0.305	16	37
552132	14	2	41	0.073	0.341	25	45
552134	12	2	65	0.094	0.357	40	66
552135	10	2	104	0.117	0.443	64	94
552136	8	2	168	0.153	0.575	104	160

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item





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
552131	16	2	1.2	4.487	5.406	0.033	-	18
552132	14	2	1.4	2.814	3.391	0.058	20	25
552134	12	2	1.4	1.774	2.137	0.054	25	30
552135	10	2	1.8	1.111	1.339	0.050	35	40
552136	8	2	2.3	0.715	0.861	0.052	50	55

* 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.

