



Landscape Low-Voltage 150 Volt Lighting

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

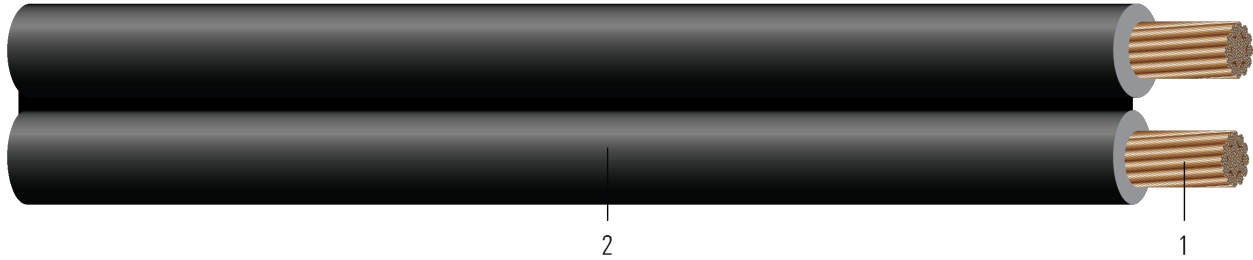


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductor:** Class K, flexible stranded bare copper per ASTM B172
- 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

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
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

Cond. Size AWG/ Kcmil	Cond. Number	Min Bending Radius inch	Max Pull Tension lb	DC Resistance @ 25°C Ω/1000ft	AC Resistance @ 75°C Ω/1000ft	Inductive Reactance @ 60Hz Ω/1000ft	Allowable Ampacity At 75°C Amp	Allowable Ampacity At 90°C Amp
8	2	2.3	264	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.

