Landscape Low-Voltage 150 Volt Lighting

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

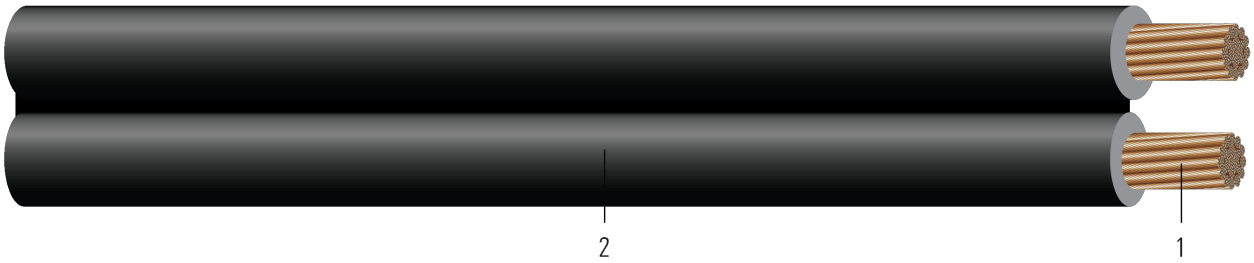

Image not to scale. See Table 1 for dimensions.

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 sutable 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	Cond. Number	Strand Count	Diameter Over Conductor	Insulation Color	Approx. OD	Copper Weight	Approx. Weight
AWG/Kcmil		No. of Strands	inch		inch	lb/1000ft	lb/1000ft
16	2	26	0.059	Black	0.305	16	37

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

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
16	2	1.2	4.487	5.406	0.033	-	18

***** 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.