

# CU 1000V LSZH Solononplus™ Insulation. RW90

Single Copper Conductors, LSZH Insulation Solononplus™, Sunlight Resistant, 1000V, 90°C MAX, -40°C MIN, Gasoline & Oil Resistant

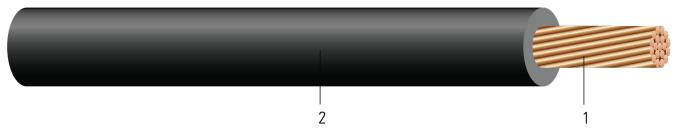


Image not to scale. See Table 1 for dimensions.

#### **CONSTRUCTION:**

- 1. **Conductor:** Class B compressed stranded bare copper per ASTM B3 and ASTM B8
- 2. **Insulation**: Low Smoke Zero Halogen Solononplus™ (XLPO)

### **APPLICATIONS AND FEATURES:**

Suitable for installation in Cable Trays, Underground Duct Banks - As per CE Code limitations (see Rule 12-2202) for grounding and bonding applications. Standard colour is black. Some sizes may be available in white, red, blue, yellow, brown, orange or grey. Green Duraground™ also available.

### SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- CSA C22.2 No.230 Tray Cables Rated TC
- CSA C22.2 No. 2556 / UL 2556 Cable Test Methods
- CSA LTGG [-40°C] as per C68.10 for Cold Bend and Impact rating
- CSA SUN RES for Sunlight Resistant rating
- CSA ST1 Smoke Test marked FT4-ST1 (1/0 and Larger)
- Oil Res I & Sun Res AWG 8 & Larger
- NFPA 130 Standard for Fixed Guideway Transit and Passenger Rail Systems (500kcmil & Larger)
- NFPA 502 Standard for Road Tunnels, Bridges, and Other Limited Access Highways (non-emergency circuits only)

#### **SAMPLE PRINT LEGEND:**

SOUTHWIRE SOLONONplus{TM} LSZH XLPO 156205 {CSA} XXX KCMIL (XXX{mm2}) CU RW90 1000V VW-1 HAL-FREE TC PRI PRII GRI GRI GRI -40°C SR FT4 ST-1

## **Table 1 – Weights and Measurements**

Cond. Size	Cond. Number	Strand	Insul. Thickness	Insulation Color	Approx. OD	Approx. Weight	Min Bending Radius	Max Pull Tension	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity In Raceway 90°C†
AWG/ Kcmil		No.	mil		inch	lb/1000ft	inch	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp
14	1	7	45	Black	0.160	20	0.6	32	2.631	3.170	0.058	25





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 – Weights and Measurements (Metric)**

Cond. Size	Cond. Number	Strand	Insul. Thickness	Insulation Color	Approx. OD	Approx. Weight	Min Bending Radius	Max Pull Tension	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity In Raceway 90°C
AWG/ Kcmil		No.	mm		mm	kg/km	mm	newton	Ω/km	Ω/km	Ω/km	Amp
14	1	7	1.14	Black	4.06	30	15.24	142	8.63	10.40	0.1903	25

All dimensions are nominal and subject to normal manufacturing tolerances

 $\Diamond$  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.

