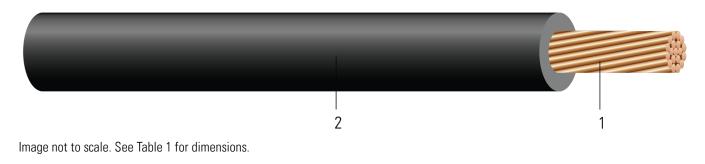


# CU 1000V LSZH Solononplus<sup>™</sup> Insulation. RW90

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



### **CONSTRUCTION:**

- 1. Conductor: Class B compressed stranded bare copper per ASTM B3 and ASTM B8
- 2. Insulation: Low Smoke Zero Halogen Solononplus<sup>™</sup> (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 availabe in white, red, blue, yellow, brown, orange or grey. Green Duraground<sup>™</sup> also available.

### **SPECIFICATIONS:**

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lav-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

## 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 GRII -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	Re		

#### DC AC Inductive Allowable Resistance Reactance @ Ampacity In esistance Raceway 90°Ct @ 25°C @ 75°C 60Hz AWG/ Ω/1000ft No. mil inch lb/1000ft inch lb Ω/1000ft Ω/1000ft Amp Kcmil 7 60 Black 0.345 155 1.3 333 0.258 0.310 0.048 95 4



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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
4	1	7	1.52	Black	8.76	231	33.02	1482	0.85	1.02	0.1575	95

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.

