

1/C CU 2000V EPR LSZH Exciter Cable

Single Conductor 2KV Flexible Class I Copper Ethylene Propylene Rubber Insulation Solonon® Low Smoke Zero Halogen (LSZH) Jacket



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible rope lay stranded annealed copper class I
2. **Tape:** Binder tape for ease of insulation removal
3. **Insulation:** Heat, moisture, and ozone resistant Ethylene Propylene Rubber(EPR)
4. **Jacket:** SOLONON® Low Smoke Zero Halogen (LSZH) Thermoset Jacket

APPLICATIONS AND FEATURES:

Southwire 2000V EPR/SOLONON Exciter Cable is suited for use in mass transit and general industry applications where flexibility, fire resistance, and low smoke generation are a concern. May be installed in wet or dry locations in cable trays or raceways. These cables are capable of operating continuously at a conductor temperature not in excess of 90°C for normal operation, 130°C for emergency overload conditions, and 250°C for short circuit conditions. Resistance to moisture and most oils, acids, and alkalis with an overall durable LSZH XLPO Thermoset Solonon® jacket. Alternate constructions available upon request.

SPECIFICATIONS:

- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors

SAMPLE PRINT LEGEND:

SOUTHWIRE® XXX SIZE STRANDED NON-SHIELDED 90°C DRY EPR/CPE SEQUENTIAL MARKS NON-UL

Table 1 – Weights and Measurements

Stock Number	Cond. Size AWG/Kcmil	Cond. Number No.	Cond. Strands No.	Diameter Over Conductor inch	Insul. Thickness mil	Jacket Thickness mil	Approx. OD inch	Approx. Weight lb/1000ft
550581	1550	1	3843	1.59	145	110	2.13	5756

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 AWG/Kcmil	Cond. Number No.	DC Resistance @ 25°C Ω/1000ft	Min Bending Radius inch	Allowable Ampacity At 75°C† Amp	Allowable Ampacity At 90°C† Amp
550581	1550	1	0.00763	12.78	625	705

†Ampacities are based on Table 310.15 (B)(16) of the NEC, 2014 Edition. Ampacities of insulated conductors rated up to and including 2000 Volts, based on ambient temperature of 30°C (86°F)



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