# 1/C CU EPR Medium Voltage Non-Shielded Jumper & Switchgear Cable

Single Conductor Flexible Conductor with an EPR Insulation Non-Shielded Jumper Cable

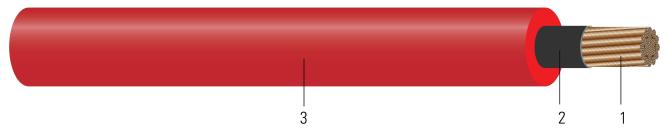


Image not to scale. See Table 1 for dimensions.

### **CONSTRUCTION:**

- 1. **Conductor:** Flexible rope lay stranded annealed bare or tinned copper
- 2. **Conductor Shield:** Nylon semi-conducting tape, helically applied
- 3. Insulation: Heat, moisture, and ozone resistant Ethylene Propylene Rubber(EPR)

### **APPLICATIONS AND FEATURES:**

Southwire's medium voltage non-shielded jumper and switchgear cable is a flexible power cable that is intended for use in substations installed on insulators and inside switchgear isolated from ground and where a non-shielded flexible cable is desired. These cables are capable of operating continuously at a conductor temperature not in excess of 90°C.

This cable is rated up to 40KV and is not UL listed. See Table 2 for installation guidelines

#### SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors

#### SAMPLE PRINT LEGEND:

SOUTHWIRE® XXX SIZE NON-SHIELDED FLEXIBLE JUMPER AND SWITCHGEAR CABLE NON-UL

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

Stock Number	Cond. Size	Conductor Number	Color	Diameter Over Conductor	Conductor Stranding	Insulation Thickness	Approx. OD	Copper Weight	Overall Weight
	AWG/ Kcmil			inch		mils	inch	lbs/1000ft	lbs/1000ft
569425	2/0	1	RD	0.400	324	220	0.883	406	674

All dimensions are nominal and subject to normal manufacturing tolerances

## Table 2 – Electrical and Engineering Data

2/0	1	1064	0.087	0.104	0.043	175	195



<sup>♦</sup> Cable marked with this symbol is a standard stock item

<sup>†</sup> Ampacities based upon 2023 NEC Table 310.16. Also, see NEC sections 310.15 and 110.14(C) for additional requirements.