



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

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

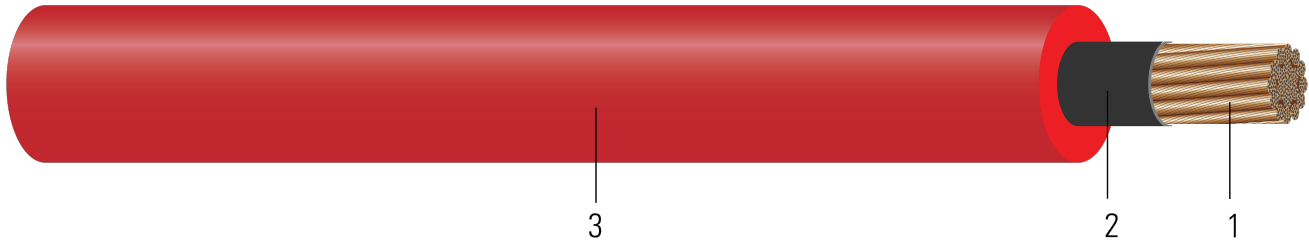


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

- Conductor:** Flexible rope lay stranded annealed bare or tinned copper
- Conductor Shield:** Nylon semi-conducting tape, helically applied
- 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-SHIELED 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
569428	500	1	RD	0.858	1221	230	1.350	1514	1970

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

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

**Table 2 – Electrical and Engineering Data**

500	1	4000	0.023	0.031	0.039	380	430
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