



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

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

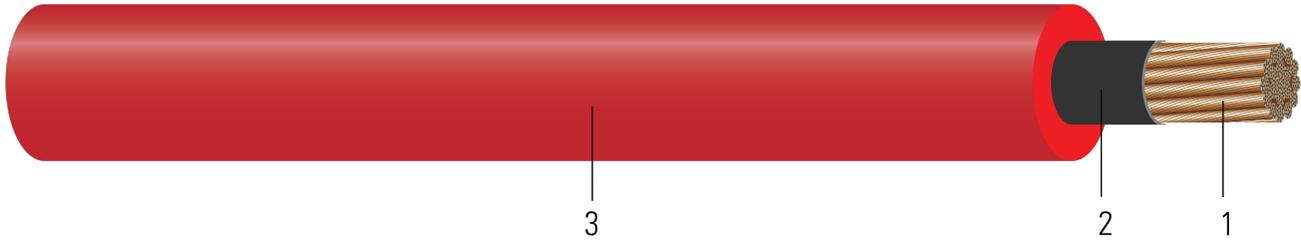


Image not to scale. See Table 1 for dimensions.

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 |
| 569423 | 1/0 | 1 | RD | 0.379 | 259 | 210 | 0.840 | 320 | 548 |

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

| | | | | | | | |
|-----|---|-----|-------|-------|-------|-----|-----|
| 1/0 | 1 | 844 | 0.109 | 0.131 | 0.044 | 150 | 170 |
|-----|---|-----|-------|-------|-------|-----|-----|

