# EZ-IN™ Mini-Split Shielded Cable

Copper Insulated Singles. Green Insulated Copper Grounding Conductor. UL Listed. 600 Volts. Lightweight Aluminum Interlocked Armor. PVC Jacketed, Sunlight Resistant.

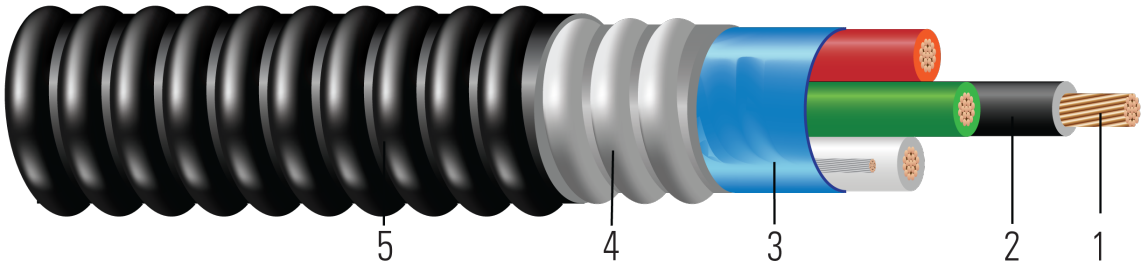



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Stranded class B compressed copper per ASTM B3 and ASTM B8
2. **Insulation:** Polyvinyl Chloride (PVC) with Nylon Sheath
3. **Shield:** Aluminum foil with 18 AWG 19-strand tinned copper drain wire
4. **Armor:** Aluminum Interlocked Armor
5. **Jacket:** Polyvinyl Chloride (PVC) sunlight resistant

## APPLICATIONS AND FEATURES:

**Southwire EZ-IN™ Mini-Split Jacketed Type MC Cable is suitable for use as follows:**

- Where exposed to cinder fills, strong chlorides, caustic alkalis, or vapors of chlorine or of hydrochloric acids.
- Fished or embedded in plaster.
- Installed without the use of conduit.
- Concealed or exposed installations.
- Suitable for Wet Location per NEC 330.10(11)
- Installation in cable tray and approved raceways, or as aerial cable on a messenger.
- Type THHN/THWN/TFN rated 90ºC Dry/ 75ºC Wet
- Anti-Short bushing not required

**Southwire EZ-IN™ Mini-Split Cable - meets or exceeds the following requirements:**

- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( www.ul.com )
- Federal Specification A-A59544 (formerly J-C-30B)
- NFPA 70 (National Electrical Code), Article 330

## SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- UL 83 Thermoplastic Insulated Wires and Cables
- UL 1569 Metal-Clad Cables
- Buy American: Compliant with Buy American Requirements, found in 49 U.S.C. § 5323(j); specify “Made in the USA Only!” when ordering to ensure your project receives American made products.


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## SAMPLE PRINT LEGEND:

SOUTHWIRE EZ-IN SHIELDED {UL} 4/C 14 AWG CU THHN OR THWN CDRS 600 VOLTS TYPE MC FOR CT USE SUN. RES. 90°C

### Table 1 – Weights and Measurements

| Stock Number | Cond. Size | Conductor Number | Color | Diameter Over Conductor | Conductor Stranding | Insulation Thickness | Diameter Over Armor | Jacket Thickness | Approx. OD | Copper Weight | Overall Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AWG/ Kcmil | | | inch | | mils | inch | mil | inch | lbs/ 1000ft | lbs/ 1000ft |
| 14 AWG \| 7 Strands | | | | | | | | | | | |
| 593512 | 14 | 4 | BK,RD,WE,GN | 0.071 | 7 | 15 | 0.489 | 50 | 0.595 | 57 | 177 |

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.

### Table 2 – Electrical and Engineering Data

| Cond. Size | Conductor Number | Min. Bend Radius | DC Resistance at 25°C | AC Resistance at 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity Raceway 75°C | Allowable Ampacity Raceway 90°C |
|---|---|---|---|---|---|---|---|
| AWG/ Kcmil | | Inches | Ω/1000ft | Ω/1000ft | Ω/1000ft | Amp | Amp |
| 14 AWG \| 7 Strands | | | | | | | |
| 14 | 4 | 4.2 | 2.631 | 3.265 | 0.058 | 16 | 20 |

***** Ampacities based upon 2023 NEC Table 310.16 and do not take into account the overcurrent protection limitations in NEC 240.4(D) of 15 Amps for 14 AWG CU, 20 Amps for 12 AWG CU, and 30 Amps for 10 AWG CU (independent of the conductor temperature rating and stranding if size is present in table). Also, see NEC sections 310.15 and 110.14(C) for additional requirements.
***** Ampacities have been adjusted for more than Three Current-Carrying Conductors.


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