

# Copper SER

Type SE, Style SER  
Service Entrance



90°C Dry or Wet

600 volts

THHN copper  
conductors

PVC jacket

## APPLICATIONS

May be used as service-entrance conductors and in other applications where SE cables are permitted when installed as specified by NEC® Article 230. May be used in wet or dry locations at temperatures up to 90°C.

## CONDUCTORS

Stranded conductors: Uncoated copper per ASTM-B3, ASTM-B8, and ASTM-B787

## PHASE CONDUCTORS

Type THHN conductors

Black PVC (polyvinyl chloride), rated to 90°C in wet or dry locations

Jacketed with black nylon (polyamide)

One phase conductor has a red stripe on its insulation surface for easy polarity identification

## NEUTRAL CONDUCTOR

White PVC (polyvinyl chloride), rated 90°C

Jacketed with white nylon (polyamide)

## EQUIPMENT GROUND CONDUCTOR

Bare stranded copper conductor

## ASSEMBLY

Insulated and bare conductors are twisted together.

Glass-reinforced tape is applied over conductors.

## JACKET

Gray, sunlight-resistant PVC (polyvinyl chloride) jacket over the complete assembly

## INDUSTRY STANDARDS\*

UL 83 (insulated conductors)

UL 854 Service Entrance Cables, File No. 11098

ASTM-B3

ASTM-B8

ASTM-B787

Federal Specification A-A-59544

NFPA70: National Electrical Code®

## SURFACE PRINT

Sample: TYPE SE CABLE STYLE R TYPE THHN OR THWN 3 CDRS 6 AWG | CDR 6 AWG  
600V E11098-A (UL)

\*It is the sole responsibility of the end user to determine suitability of this product for its intended end use and application.



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A Marmon Group/  
Berkshire Hathaway Company

## Copper SER

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Service Entrance

| Product Code Number | Size/ Construction AWG | Stranding                 |                               | Approx. O.D. Mils. | Allowable Ampacities* |          |           |                | Approx. Net Wt. Lbs./M Ft. |
|---------------------|------------------------|---------------------------|-------------------------------|--------------------|-----------------------|----------|-----------|----------------|----------------------------|
|                     |                        | Phase Conductor & Neutral | Equipment Grounding Conductor |                    | 60°C **               | 75°C *** | 90°C **** | Dwelling ***** |                            |
| 136-3600J           | 6-6-6-6                | 7                         | 7                             | 660                | 55                    | 65       | 75        | —              | 411                        |
| 136-4000J           | 4-4-4-6                | 7                         | 7                             | 800                | 70                    | 85       | 95        | 100            | 595                        |
| 136-4400J           | 3-3-3-5                | 7                         | 7                             | 905                | 85                    | 100      | 110       | 110            | 738                        |
| 136-4800J           | 2-2-2-4                | 7                         | 7                             | 970                | 95                    | 115      | 130       | 125            | 899                        |

\* Per Table 310.15 (B)(16) NEC®

\*\* For termination to equipment for circuits rated 100 amperes or less, or marked for 14 AWG through 1 AWG conductors. See Art. 110.14 (C)(1) NEC®.

\*\*\* For termination to equipment for circuits rated over 100 amperes or marked for conductors larger than No. 1 AWG. See Art. 110.14 (C)(1) NEC®.

\*\*\*\* Dry or wet locations, for ampacity derating purposes.

\*\*\*\*\* For dwelling units, conductors shall be permitted at listed ampacities for 120/240 volt, 3-wire, single-phase service conductors that supply the total load. Per Table 310.15(B)(7) NEC®.

| Package Code     | J                  |
|------------------|--------------------|
| AWG Size         | 500' Spool or Reel |
| 6-6-6-6 Stranded | X                  |
| 4-4-4-6 Stranded | X                  |
| 3-3-3-5 Stranded | X                  |
| 2-2-2-4 Stranded | X                  |