

ROME SERVICE ENTRANCE CABLE-TYPE SE STYLE R

Rome-XLPE Insulation, PVC Jacketed, 600 Volts

<p>APPLICATION: Primarily used for interior "service - runs" from the main service to distribution panels and individual load centers; maximum conductor temperature of 75°C; maximum potential of 600 volts. Also used as branch circuit or feeders for wiring of ranges, wall - mounted ovens, counter - mounted cooking units, and clothes drying circuits where the a - c supply is not over 150 volts to ground. May be used in overhead service for attachment to the side of a building from the weatherhead to the meter equipment.</p> <p>STANDARDS:</p> <ol style="list-style-type: none"> Listed by Underwriters Laboratories as Type SE Style R per Standard 854 for Service Entrance Cables. Conforms to National Electrical Code Article 338. <p>CONSTRUCTION: Three insulated conductors of copper with color coded Rome - XLPE crosslinked polyethylene insulation and one uninsulated copper grounding conductor of the size specified, twisted together to make round, suitable cable tape, gray polyvinyl chloride jacket applied overall, surface printed.</p>					
Size AWG	Nominal Diameter Inches	Ampacity	Approx. Wt. Lb./1000 Ft.		Package (Ft.) NR Reel
			Net	Shipping	
Four Conductor (Round)					
4-8	.61	50	310	335	1000
3-6, 1-8	.68	65	420	455	1000
4-6	.70	65	450	485	1000
3-4, 1-6	.78	100(2)	620	655	1000
4-4	.81	100(2)	675	735	1000
3-3, 1-5	.85	110(2)	735	780	500
3-2, 1-4	.93	125(2)	935	1000	500
3-1, 1-3	1.05	150(2)	1165	1235	500
3-1/0, 1-2	1.15	175(2)	1440	1510	500
3-2/0, 1-1	1.25	200(2)	1805	1920	500

- NOTES: 1. Ampacity in accordance with the National Electrical Code, 75°C conductor temperature, 30°C ambient.
 2. Ampacity shown is for three wire, single phase dwelling services. For other applications refer to Table 310-16 of the NEC.
 3. Individual insulated conductors are Rome-XLPE Type XHHW.

Information on this sheet subject to change without notice

Specification

ROME SERVICE ENTRANCE CABLE - TYPE SE STYLE R

Rome-XLPE Insulation, PVC Jacketed, 600 Volts

1. SCOPE

- 1.1 This specification describes Rome Service Entrance Cable, Type SE Style R, a round cable employing three individual Type XHHW circuit conductors and a stranded uninsulated grounding conductor suitable for operating at a maximum conductor temperature of 75°C and at a potential of 600 volts. Type SE, Style R cable is primarily utilized as an interior feeder cable from the main service to distribution panels and individual load centers and as an external service entrance cable extending from the weatherhead to the meter equipment. It may also be used as branch circuit or feeder cable for wiring of ranges, wall-mounted ovens, surface cooking units and clothes dryers in accordance with Article 338 of the National Electrical Code.

2. APPLICABLE SPECIFICATIONS

2. The following specifications form a part of this specification to the extent specified herein:
 - 2.1.1 Underwriters Laboratories Standard 854 for Service Entrance Cables.
 - 2.1.2 Underwriters Laboratories Standard 44 for Rubber-Insulated Wires and Cables.
 - 2.1.3 National Electrical Code Article 338.

3. CONDUCTORS

- 3.1 The insulated and uninsulated conductors shall be Class B stranded annealed uncoated copper per UL Standards 854 and 44.

4. SEPARATOR

- 4.1 A suitable separator over the conductor may be used at the option of the manufacturer.

5. INSULATION

- 5.1 Each insulated circuit conductor shall be a Type XHHW conductor complying with the requirements of UL Standard 44 for physical and electrical properties and insulation thicknesses.

6. ASSEMBLY

- 6.1 Three Type XHHW, crosslinked-polyethylene-insulated color coded conductors shall be twisted with a suitable lay, fillers as required, and a stranded uninsulated copper grounding conductor in one interstice. The assembled conductors shall be bound with a suitable tape covering as required by UL Standard 854.

7. SHEATH

- 7.1 The assembled conductors shall be completely enclosed in a PVC protective sheath complying with the physical requirements of UL Standard 854.
- 7.2 The average thickness of the PVC sheath shall be 30 mils. The minimum thickness at any point shall be not less than 80% of the specified average thickness.

8. IDENTIFICATION

- 8.1 The cable shall be identified by surface marking indicating manufacturer's identification, number and size of insulated and uninsulated conductors, type of individual conductors, voltage rating, UL Symbol and cable type.

9. TESTS

- 9.1 The completed cable shall be tested in accordance with the requirements of UL Standard 854 for Type SE.

10. LABELS

- 10.1 The cable shall bear Underwriters Laboratories Type SE labels.