

## ROME SERVICE ENTRANCE CABLE - TYPE SE STYLE U

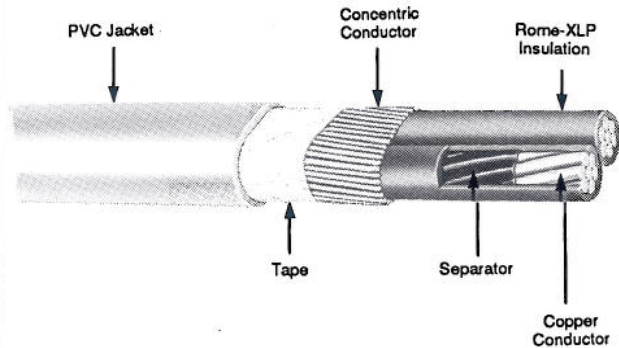
Rome-XLP Insulation, PVC Jacketed, 600 Volts

**APPLICATION:** Primarily used in overhead service for attachment to the side of a building from the weatherhead to the meter equipment; maximum conductor temperature of 75°C; maximum potential of 600 volts. Also may be used as branch circuit or feeders for wiring of ranges, wall-mounted ovens, counter-mounted cooking units and clothes dryer circuits where the a-c supply is not over 150 volts to ground.

**STANDARDS:**

1. Listed by Underwriters Laboratories as Type SE Style U per Standard 854 for Service Entrance Cables.
2. Conforms to Federal Specification J-C-30B.
3. Conforms to National Electrical Code Article 338.

**CONSTRUCTION:** Each insulated conductor: Annealed copper, Rome-XLP crosslinked polyethylene insulation, color coded. Uninsulated Neutral Conductor: Concentric lay-up of serve-wires of same metal as insulated conductor and equivalent to the AWG size specified for the neutral conductor. Assembly: Two insulated conductors laid parallel over which the uninsulated concentric neutral conductor is spirally applied; suitable cable tape. Gray polyvinyl chloride jacket applied overall, surface printed.



Two Power Conductors AWG	One Neutral Conductor AWG	Nominal Diameter Inches	Ampacity	Copper				Stock Items
				Approximate Wt. Lb./1000 Ft.		Package (Ft.)		
				Net	Shipping	Coil	Reel (NR)	
<b>THREE CONDUCTOR (FLAT)</b>								
8	8	.36 x .60	50	213	216	250	Non Std.	-
6	8	.40 x .67	65	281	284	200	Non Std.	-
6	6	.41 x .68	65	311	314	150	Non Std.	-
4	6	.45 x .77	100(2)	419	423	150	Non Std.	-
4	4	.47 x .79	100(2)	467	471	150	Non Std.	-
3	5	.49 x .84	110(2)	514	518	150	-	-
3	3	.50 x .85	110(2)	574	579	150	Non Std.	-
2	4	.52 x .90	125(2)	635	640	100	Non Std.	-
2	2	.54 x .92	125(2)	710	715	100	Non Std.	-
1	3	.58 x 1.02	150(2)	800	875	-	-	-
1	1	.61 x 1.05	150(2)	905	980	-	-	-
1/0	2	.66 x 1.14	175(2)	1020	1095	-	-	-
1/0	1/0	.66 x 1.14	175(2)	1110	1185	-	-	-
2/0	1	.71 x 1.23	200(2)	1235	1350	-	-	-
2/0	2/0	.72 x 1.24	200(2)	1390	1510	-	500	-
3/0	1/0	.77 x 1.34	225(2)	1540	1655	-	-	-
3/0	3/0	.80 x 1.37	225(2)	1745	1855	-	-	-
4/0	2/0	.84 x 1.47	250(2)	1910	2060	-	-	-
4/0	4/0	.86 x 1.49	250(2)	2155	2310	-	-	-

- 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-XLP Type XHHW.

Information on this sheet subject to change without notice.

## Specification

### ROME SERVICE ENTRANCE CABLE - TYPE SE STYLE U

#### Rome-XLP Insulation, PVC Jacketed, 600 Volts

#### 1. SCOPE

- 1.1 This specification describes Rome Service Entrance Cable, Type SE, Style U; a flat cable employing two insulated Type XHHW circuit conductors and a helically applied concentric neutral conductor suitable for operating at a maximum conductor temperature of 75°C and at a potential of 600 volts. Type SE Style U cable is primarily utilized as an external service entrance cable extending from the weatherhead down the side of a building to the meter equipment. Type SE Style U may also be used as a branch circuit or as a feeder cable within a building for wiring ranges, wall-mounted ovens, surface cooking units and clothes dryers in accordance with Article 338 of the National Electrical Code.

#### 2. APPLICABLE SPECIFICATIONS

- 2.1 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 Federal Specification J-C-30B.
  - 2.1.4 National Electrical Code Article 338.

#### 3. CONDUCTORS

- 3.1 Insulated Conductors: The insulated circuit conductors shall be Class B stranded annealed uncoated copper per UL Standards 854 and 44.
- 3.2 Concentric Neutral Conductors: The concentric neutral conductor shall be solid 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 thickness.

#### 6. ASSEMBLY

- 6.1 Two Type XHHW, crosslinked-polyethylene-insulated conductors shall be assembled parallel and circuit identified, one black and one red.
- 6.2 Directly over the insulated conductors shall be an evenly distributed, helically applied, concentric neutral conductor, composed of solid uninsulated wires, of the required numbers to produce an equivalent AWG size required for the neutral conductor.
- 6.3 The assembly of insulated and concentric neutral 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, numbers 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 Type SE labels.