

# TYPE SE-STYLE R - COPPER CONDUCTOR - 600V

## ENGINEERING SPECIFICATIONS

### Standards

Underwriters Laboratories Standards UL-83, UL-854, UL-2556; Federal Specifications AA59544; NEMA RV 4-2012; NFPA 70 (NEC®) Article 215, 225, 230, 338; ARRA 2009 Section 1605 "Buy American" Compliant; MasterSpec Division 26 Sections 260519, 260523; UL Listing #E-174428



## CONSTRUCTION

### Conductors

7-Strand Class B concentrically stranded per ASTM-B8; 19-Strand combination unilay stranded conductors per ASTM-B787

### Insulation

High dielectric strength, heat- and moisture-resistant, black or colored Polyvinyl Chloride (PVC) rated 90°C wet or dry, meeting the requirements of UL-83 for THHN or THWN-2 wire.

### Conductor Jacket:

Clear Nylon sheath meeting the requirements of UL-83 for THHN or THWN-2

### Ground/Neutral Conductor

Bare, soft-drawn grounding conductor per ASTM-B3, ASTM-B8, or ASTM-B787

### Overall Jacket

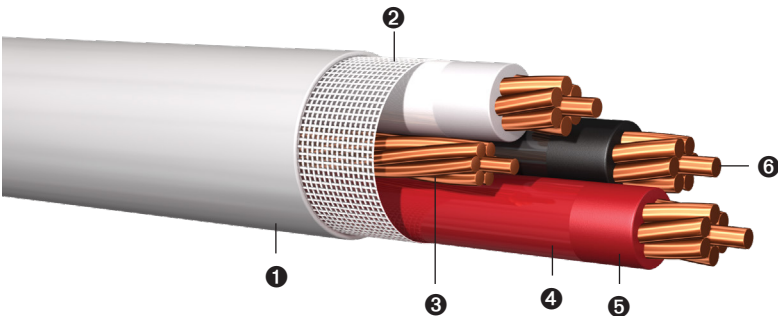
A gray, sunlight- and fungus-resistant PVC jacket

### Assembly

Conductors are twisted together with the bare, copper grounding conductor in one interstice. A glass-reinforced tape is applied over the cabled core.

## APPLICATIONS

For above ground electrical service use from service disconnecting means to remote distribution equipment. Under special conditions as permitted, the National Electrical Code (NEC). Type SE Style R can be used for interior wiring as branch circuit to ranges, ovens, cooking units, or clothes dryers. This cable is manufactured in accordance with the requirements of Underwriters Laboratories Standard 854. Type SE Style R is approved for installation in accordance with Articles 215, 225, 230, and 338 of the NEC and has a 600-volt rating.



- 1 PVC Jacket
- 2 Glass-Reinforced Tape
- 3 Bare Ground Conductors
- 4 Nylon Conductor Jacket
- 5 PVC Insulation
- 6 Stranded Copper Conductor

Insulated Conductor (AWG)	Insulated Conductor Stranding (No. of Wires)	Ground Wire Size & Stranding (AWG)	Outside Dimensions (in)	Allowable Ampacity (Amps) <sup>1</sup>		Approximate Net Weight (lbs/1000 ft)	Standard Packaging (ft)
				75°C	90°C		
6-6-6	7	6-7	0.665	65	75	432	500', 1000' Reels
4-4-4	7	6-7	0.830	85	95	601	150', 500', 1000' Reels
3-3-3	7	5-7	0.895	100	115	737	500', 1000' Reels
2-2-2	7	4-7	0.970	115	130	911	500', 1000' Reels
1-1-1	19	3-7	1.100	130	145	1151	500', 1000' Reels
1/0-1/0-1/0	19	2-7	1.200	150	170	1417	500', 1000' Reels
2/0-2/0-2/0	19	1-19	1.310	175	195	1768	500', 1000' Reels
3/0-3/0-3/0	19	1/0-19	1.430	200	225	2186	500', 1000' Reels
4/0-4/0-4/0	19	2/0-19	1.610	230	260	2729	500', 1000' Reels

<sup>1</sup> Ampacity of conductors are based on NFPA 70 (NEC) Table 310.16. See 110.14(C), 240.4(D), 310.15(B) and (C) and 338.10(B)(4) for other limitations where applicable. See NEC 310.15(B)(7) where applicable. The above data is approximate and subject to normal manufacturing tolerances.

**PRINT LEGEND:** ENCORE WIRE CORP TYPE SE STYLE R THHN OR THWN-2 CDRS 600V 3 CDRS (SIZE) CU 1 CDR (SIZE) CU (UL) ((CDR SIZE1) - (CDR SIZE2) - (CDR SIZE3) - (GND/NEU SIZE)) DATE/TIME/OPER/QC