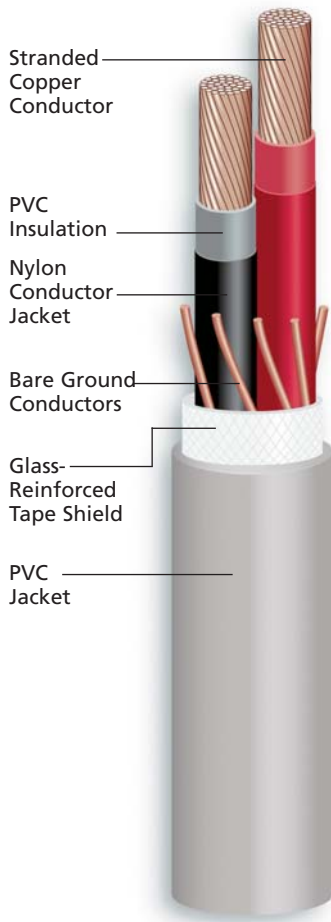


COPPER TYPE SE-STYLE U 600-VOLT CONDUCTOR

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Engineering Specifications:

Standards:

Underwriters Laboratories UL-854, UL-83
National Electrical Code Articles 338 & 230



Listed E-174428

Construction:

Conductors:

Solid: Bare, soft copper per ASTM-B3
7-strand: Class B concentrically stranded per ASTM-B8
19-strand: Combination unilay conductors per ASTM-B787

Insulation:

High dielectric strength, heat- and moisture-resistant, black or colored Polyvinyl Chloride (PVC) rated for continuous use at 90°C dry, 75°C wet, meeting the requirements of UL-83 for THHN or THWN wire.

Conductor Jacket:

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

Ground/Neutral Conductor:

Bare soft copper, evenly distributed and helically applied over the insulated conductors so as to produce the equivalent AWG size required by UL-854

Applications:

For above ground electrical service use from the electric utility power service point to the meter or service entrance panel. Under special conditions as permitted, the NEC type SE Style U can be used for interior wiring as branch circuits to ranges, ovens, cooking units, or clothes dryers. This cable is manufactured in accordance with Article 338 of the NEC and also the requirements of Underwriters Laboratories Standard 854. Type SE Style U is approved for installation in accordance with Article 230 of the NEC and has a rating of 600 volts.

Assembly:

Conductors are parallel with a stranded ground wire applied helically over the insulated conductors. For 10, 8, and 6 AWG-sized cables, the bare ground (solid for 10 AWG and stranded for 8 & 6 AWG), is laid parallel with the insulated conductors. A glass-reinforced tape is applied overall.

Overall Jacket:

Extruded, protective gray PVC jacket over the taped assembly in accordance with UL Standard 854

Insulated Conductor Size (AWG)	Stranding	Size Ground/ Neutral Conductor (AWG)	Nominal Dimensions (inches)	Allowable Ampacity* (amps)		Standard Coils (feet)	Package NR Reels (feet)	Approx. Net Weight (lbs./1000 ft.)
				1	2			
10-10	Solid	10	.295 x .455	30	-	250	250/1000	142
8-8	7	8	.400 x .625	55	-	250	250/500/1000	219
6-6	7	6	.445 x .705	75	-	150	150/500/1000	319
6-6	7	8	.440 x .700	75	-	200	200/500/1000/5000	290
4-4	7	4	.540 x .870	95	100	150	150/500/1000	494
4-4	7	6	.515 x .850	95	100	150	150/500/1000	445
3-3	7	3	.605 x .970	110	110	150	150/500/1000	609
3-3	7	5	.570 x .930	110	110	150	150/500/1000	547
2-2	7	2	.640 x 1.030	130	125	100	100/500/1000	745
2-2	7	4	.600 x 1.000	130	125	100	100/500/1000	668
1-1	19	1	.720 x 1.180	150	150	-	500/1000	941
1/0-1/0	19	1/0	.740 x 1.240	170	175	-	500/1000	1157
2/0-2/0	19	2/0	.810 x 1.350	195	200	-	500/1000	1431
3/0-3/0	19	3/0	.890 x 1.480	225	225	-	500/1000	1775

*Allowable Ampacity: 1-Based upon the National Electrical Code, 90°C Dry Rating
2-Three-Wire, Single-Phase Dwelling Services

The above data is approximate and subject to normal manufacturing tolerances.

PRINT LEGEND:

CONDUCTOR SIZES 10 AWG THROUGH 3/0 AWG STRANDED: E174428 TYPE SE STYLE U THHN OR THWN CDRS, 600 VOLTS 2 CDRS (SIZE) CU 1 CDR (SIZE) CU (UL)
DATE/TIME/OPER/QC

800.962.9473