TYPE SE-STYLE U - 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 230, 338; ARRA 2009 Section 1605 "Buy American" Compliant; MasterSpec Division 26 Sections 260519, 260523; UL Listing #E-174428

RoHS COMPLIANT

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 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

Soft drawn annealed copper conductors. *Sizes 2 AWG and smaller* have a round, stranded bare ground/neutral conductor laid parallel between the insulated conductors. *Sizes 3 AWG and larger* have bare concentric ground/neutral wires wrapped helically over the insulated conductors.

Overall Jacket

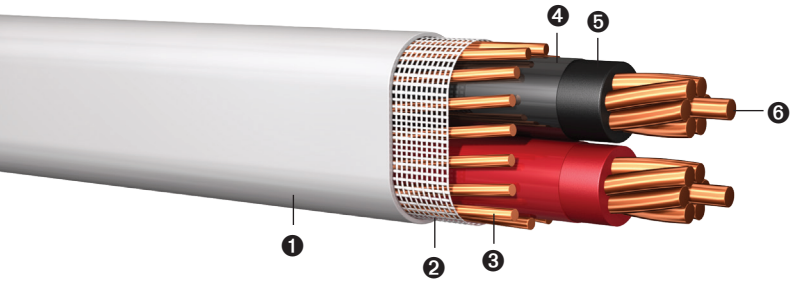
A gray, sunlight- and fungus-resistant PVC jacket

Assembly

Sizes 2 AWG and smaller: Insulated conductors with a round, stranded bare ground/neutral laid parallel between the insulated conductors with glass reinforced tape applied over the core.
Sizes 3 AWG and larger: Insulated conductors with bare concentric ground/neutral wires wrapped helically with glass reinforced tape applied over the core.

APPLICATIONS

For above ground electrical service use from the electric utility power service point to the meter or service entrance panel. This cable is installed in accordance with Article 230 and 338 of the National Electrical Code (NEC) and manufactured to the requirements of Underwriters Laboratories Standard 854. Type SE Style U has a rating of 600 volts.



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

Insulated Conductor (AWG)	Insulated Conductor Stranding (No. of Wires)	Grounded/ Neutral Conductor Size (AWG)	Grounded Conductor Stranding (No. of Wires)	Nominal Dimensions	Allowable Ampacity @ 90°C (Amps)[1]	Approximate Net Weight (lbs/1000 ft)	Standard Packaging (ft)	
							Coils	Reels
10-10	Solid	10	Solid	0.295 x 0.455	40	142	250'	250', 1000'
8-8	7	8	7	0.400 x 0.625	55	219	250'	250', 500', 1000', 5000'
6-6	7	6	7	0.445 x 0.705	75	319	150'	150', 500', 1000', 5000'
6-6	7	8	7	0.440 x 0.700	75	290	200'	200', 500', 1000', 5000'
4-4	7	4	7	0.540 x 0.870	95	494	150'	150', 500', 1000', 5000'
4-4	7	6	7	0.515 x 0.850	95	445	150'	150', 500', 1000'
3-3	7	3	12	0.605 x 0.970	115	609	150'	150', 500', 1000'
3-3	7	5	12	0.570 x 0.930	115	547	150'	150', 500', 1000'
2-2	7	2	12	0.640 x 1.030	130	745	100'	100', 500', 1000'
2-2	7	4	12	0.600 x 1.000	130	668	100'	100', 500', 1000'
1-1	19	1	12	0.720 x 1.180	145	941	-	500', 1000'
1/0-1/0	19	1/0	18	0.740 x 1.240	170	1157	-	500', 1000'
2/0-2/0	19	2/0	18	0.810 x 1.350	195	1431	-	500', 1000'
3/0-3/0	19	3/0	18	0.890 x 1.480	225	1775	-	500', 1000'
4/0-4/0	19	2/0	15	0.888 x 1.518	260	1860	-	500', 1000'
4/0-4/0	19	4/0	24	0.888 x 1.518	260	2095	-	500', 1000'

[1] Ampacity of conductors are based on NFPA 70 (NEC) Table 310.15(B)(16). See 110.14(C), 240.4(D), 310.15(B) 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 CORPORATION TYPE SE STYLE U THHN OR THWN CDRS, 600 VOLTS 2 CDRS (SIZE) CU 1 CDR (SIZE) CU (UL) DATE/TIME/OPER/QC