

ALUMINUM SEU (TYPE SE STYLE U) 2 CONDUCTOR WITH CONCENTRIC GROUND/NEUTRAL THHN OR XHHW-2 CONDUCTORS, PVC JACKET, 600VOLTS

CONSTRUCTION:

CONDUCTOR COMPACT STRANDED 8000 SERIES ALUMINUM.

INSULATION CROSSLINKED POLYETHYLENE (XLP) TYPE XHHW-2 OR PVC/NYLON THHN/THWN-2. RATED 90DEG C WET OR DRY.

GROUND/NEUTRAL BARE 8000 SERIES ALUMINUM STRANDS EQUIVALENT TO GROUND SIZE SHOWN BELOW ARE CONCENTRICALLY APPLIED OVER INSULATED CONDUCTORS.

ASSEMBLY REINFORCEMENT BINDER TAPE APPLIED OVER INSULATED CONDUCTORS AND CONCENTRIC GROUND/NEUTRAL.

JACKET SUNLIGHT RESISTANT GRAY PVC.

Charlotte Wire Part#	2 Conductor Plus Ground Constructions	Number & Size of Insulated Conductors	AWG Size of Concentric Gnd/Neutral	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Ampacity (Amps)*		
						60Deg C	75Deg C	90Deg C
CW01484	8-8-8	2 - #8's	8	.40" x .59"	108	35	40	45
CW01485	6-6-8	2 - #6's	8	.42" x .66"	135	40	50	55
CW01486	6-6-6	2 - #6's	6	.43" x .68"	145	40	50	55
CW01487	4-4-6	2 - #4's	6	.48" x .79"	190	55	65	75
CW01488	4-4-4	2 - #4's	4	.50" x .80"	205	55	65	75
CW01489	3-3-5	2 - #3's	5	.54" x .87"	230	65	75	85
CW01490	3-3-3	2 - #3's	3	.55" x .88"	250	65	75	85
CW01491	2-2-4	2 - #2's	4	.57" x .92"	265	75	90	100
CW01492	2-2-2	2 - #2's	2	.59" x .95"	290	75	90	100
CW01493	1-1-1	2 - #1's	1	.65" x 1.07"	370	85	100	115
CW01494	1/0-1/0-2	2 - 1/0's	2	.66" x 1.10"	400	100	120	135
CW01495	1/0-1/0-1/0	2 - 1/0's	1/0	.69" x 1.14"	439	100	120	135
CW01496	2/0-2/0-1	2 - 2/0's	1	.72" x 1.20"	480	115	135	150
CW01497	2/0-2/0-2/0	2 - 2/0's	2/0	.74" x 1.22"	520	115	135	150
CW01498	4/0-4/0-2/0	2 - 4/0's	2/0	.88" x 1.47"	700	150	180	205
CW01499	4/0-4/0-4/0	2 - 4/0's	4/0	.89" x 1.48"	770	150	180	205

*Ampacity based on 2014 NEC Table 310.15(B)(16) with no more than three current carrying conductors and 30Deg C ambient temperature.

APPLICATION:

For electrical service from the service drop point to the meter and also to the electric service panel per NEC Articles 230 and 338.

STANDARDS:

UL Standard 44 for XHHW-2 conductors.
UL Standard 83 for THHN/THWN-2 conductors.
UL Standard 854 for Service Entrance Cables.
NEC Article 338: Type SE.