

ALUMINUM SER (TYPE SE STYLE R) 2 CONDUCTOR WITH GROUND 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.

ASSEMBLY INSULATED CONDUCTORS CABLED TOGETHER WITH A STRANDED BARE COPPER GROUND WIRE IN ONE OF THE INTERSTICES AND REINFORCEMENT BINDER TAPE.

JACKET SUNLIGHT RESISTANT GRAY PVC.

Charlotte Wire Part#	2 Conductor Plus Ground Constructions	Number & Size of Insulated Conductors	AWG Size of Bare Ground	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Ampacity (Amps)*		
						60Deg C	75Deg C	90Deg C
CW01701	8-8-8	2 - #8's	8	.51"	98	35	40	45
CW01702	6-6-6	2 - #6's	6	.64"	145	40	50	55
CW01703	4-4-6	2 - #4's	6	.75"	205	55	65	75
CW01704	4-4-4	2 - #4's	4	.76"	219	55	65	75
CW01705	2-2-4	2 - #2's	4	.77"	278	75	90	100
CW01706	2-2-2	2 - #2's	2	.80"	288	75	90	100
CW01707	1-1-1	2 - #1's	1	.89"	355	85	100	115
CW01708	1/0-1/0-2	2 - 1/0's	2	.92"	387	100	120	135
CW01709	1/0-1/0-1/0	2 - 1/0's	1/0	.97"	420	100	120	135
CW01710	2/0-2/0-1	2 - 2/0's	1	1.14"	525	115	135	150
CW01711	2/0-2/0-2/0	2 - 2/0's	2/0	1.15"	535	115	135	150
CW01712	4/0-4/0-2/0	2 - 4/0's	2/0	1.35"	780	150	180	205
CW01713	4/0-4/0-4/0	2 - 4/0's	4/0	1.36"	790	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.