

ALUMINUM SER (TYPE SE STYLE R) 3 AND 4 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#	3/C OR 4/C 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
THREE CONDUCTOR WITH GROUND SER								
CW01715	8-8-8-8	3 - #8's	8	.59"	132	35	40	45
CW01716	6-6-6-6	3 - #6's	6	.71"	195	40	50	55
CW01717	4-4-4-6	3 - #4's	6	.82"	255	55	65	65
CW01718	2-2-2-4	3 - #2's	4	.96"	360	75	90	100
CW01719	1-1-1-3	3 - #1's	3	1.08"	450	85	100	115
CW01720	1/0-1/0-1/0-2	3 - 1/0's	2	1.16"	548	100	120	135
CW01721	2/0-2/0-2/0-1	3 - 2/0's	1	1.26"	651	115	135	150
CW01722	3/0-3/0-3/0-1/0	3 - 3/0's	1/0	1.36"	790	130	155	175
CW01723	4/0-4/0-4/0-2/0	3 - 4/0's	2/0	1.48"	965	150	180	205
CW01724	250-250-250-3/0	3 - 250MCM's	3/0	1.64"	1190	170	205	230
CW01725	300-300-300-4/0	3 - 300MCM's	4/0	1.75"	1320	195	230	260
FOUR CONDUCTOR WITH GROUND SER								
CW01726	6-6-6-6-6	4 - #6's	6	.72"	226	40	50	55
CW01727	4-4-4-4-6	4 - #4's	6	.85"	330	55	65	75
CW01728	2-2-2-2-4	4 - #2's	4	1.06"	455	75	90	100
CW01729	1-1-1-1-3	4 - #1's	3	1.11"	570	85	100	115
CW01730	1/0-1/0-1/0-1/0-2	4 - 1/0's	2	1.22"	700	100	120	135
CW01731	2/0-2/0-2/0-2/0-1	4 - 2/0's	1	1.40"	830	115	135	150
CW01732	3/0-3/0-3/0-3/0-1/0	4 - 3/0's	1/0	1.44"	1025	130	155	175
CW01733	4/0-4/0-4/0-4/0-2/0	4 - 4/0's	2/0	1.66"	1230	150	180	205
CW01734	250-250-250-250-3/0	4 - 250MCM's	3/0	1.82"	1500	170	205	230

*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.