BUILDING WIRE

- SER
- SEU
- XHHW - 2

SER ALUMINIUM CONDUCTOR

APPLICATIONS : To deliver overhead electrical service from the service head to house meter and in interior wiring systems to supply appliances, 90°C wet or dry. Type SE Style R three conductor insulated, round-type Service Entrance Cable is designed for above-ground service entrance use, as well as intetior wiring.

CONSTRUCTION : Compact stranded 8000 Series aluminium alloy conductors, XHHW-2 insulation, insulated conductors assembled, tape and gray sunlight resistant PVC jacket overall. Three conductor (2 insulated phase conductors, insulated neutral), Four conductor (2 insulated phase conductors, insulated neutral and bare ground wire) Five conductor (3 insulated phase conductors, insulated neutral and bare ground wire). The conductors are twisted together and a glass-reinforced tape is applied over the twisted conductors. A polyvinyl chloride (PVC) jacket is extruded over the subassembly. The jacket is flame retardant, moisture resistant, and sunlight. Insulation is black cross-linked polyethylene.

STANDARDS : UL 44,854, Federal Specification JC-30B NEC. For Dwelling Units, conductors shall be permitted at listed ampacites to be utilized as 120/240 volt, 3-wire, single-phase service conductors that supply the total load.

Three Conductor						
SIZE AWG & NO. OF CONDUCTORS	STRANDING		OUTSIDE DIAMETER (INCHES)	WEIGHT PER 1000 FT (LBS)	AMPACITY (AMPS)* 90°C	AMPACITY (AMPS)* DWELLING
	PHASE CONDUCTORS	EQUIPMENT GROUND CONDUCTOR				
6-6-6	7/W	6	630	148	60	-
4-4-6	7/W	6	720	191	75	-
Four Conductor						
8-8-8-8	solid	solid	609	135	45	-
6-6-6-6	7/W	7/W	716	196	60	-
4-4-4-6	7/W	7/W	823	252	75	-
3-3-3-5	7/W	7/W	883	299	85	-
2-2-2-4	7/W	7/W	955	359	100	-
1-1-1-3	19/W	7/W	1.079	449	115	100
1/0-1/0-1/0-2	19/W	7/W	1.168	540	135	110
2/0-2/0-2/0-1	19/W	19/W	1.264	653	150	125
3/0-3/0-3/0-1/0	19/W	19/W	1.378	793	175	175
4/0-4/0-4/0-2/0	19/W	19/W	1.503	968	205	200
Five Conductor						
2-2-2-2-4	7/W	7/W	1.059	452	100	100
2/0-2/0-2/0-2/0-1	19/W	19/W	1.404	827	150	150
4/0-4/0-4/0-4/0-2/0	19/W	19/W	1.672	1227	205	200

* To determine correct amapacity by conductor size, please consult the National Electric Code, latest edition

SEU ALUMINIUM CONDUCTOR

SEU ALUMINIUM CONDUCTOR

APPLICATIONS : For use as primary cable to deliver overhead electrical service from the service head to house meter, 90°C wet or dry. Type SE Style U is designed for above-ground service entrance use, as well as interior wiring.

CONSTRUCTION : Compact stranded 8000 Series aluminium alloy conductors, XHHW-2 insulation, insulated conductors laid parallel, concentric aluminium ground, core tape, sunlight resistant gray PVC jacket. The bare conductor strands are helically wound about the two paralleled insulated conductors. A glass-reinforced tape is applied over the conductors. A polyvinyl chloride (PVC) jacket is extruded over the subassembly. The jacket is flame retardant, moisture resistant, and sunlight resistant. Insulation is black cross-linked polyethylene.

STANDARDS : UL 44,854, Federal Specification JC-30B NEC

Three Conductor						
SIZE AWG & NO. OF CONDUCTORS	STRANDING		OUTSIDE DIAMETER (INCHES)	WEIGHT PER 1000 FT (LBS)	AMPACITY (AMPS)* 90°C	AMPACITY (AMPS)* DWELLING
	PHASE CONDUCTORS	BARE GROUND				
6-6-6	7/W	11	458 x 720	143	60	-
4-4-4	7/W	16	505 x 811	198	75	-
4--4-6	7/W	11	502 x 808	184	75	-
2-2-2	7/W	15	559 x 919	282	100	100
2-2-4	7/W	16	559 x 919	259	100	100
1-1-1	19/W	14	625 x 1,037	353	115	110
1/0-1/0-1/0	19/W	18	661 x 1,095	438	135	125
1/0-1/0-2	19/W	14	647 x 1,095	387	135	125
2/0-2/0-2/0	19/W	18	719 x 1,208	516	150	150
2/0-2/0-1	19/W	14	702 x 1,190	467	150	150
3/0-3/0-3/0	19/W	24	826 x 1,329	625	175	175
4/0-4/0-4/0	19/W	30	857 x 1,445	770	205	200
4/0-4/0-2/0	19/W	18	818 x 1,406	692	205	200

* To determine correct ampacity by conductor size, please consult the National Electric Code, latest edition.
The above data are approximate and subject to normal manufacturing tolerances.

XHHW - 2

XHHW - 2 ALUMINIUM CONDUCTOR

APPLICATIONS : Type XHHW-2 is intended for use as general purpose wiring in air conduit or other recognized race ways for services, feeder and branch circuit wiring as specified in the National Electric Code at a maximum conductor temperature of 90°C in wet or dry locations.

CONSTRUCTION : Concentric stranded 8000 Series aluminum alloy conductor, black abrasion, heat and moisture resistant crosslinked polyethylene insulation.

STANDARDS : UL Standards 44 and Federal specification JC-30B NEC ASTM B 800, B 801

CONDUCTOR SIZE AWG OR KC	STRANDING	INSULATION THICKNESS (MLS)	OUTSIDE DIAMETE (INCHES)	WEIGHT 1000 FT (LBS)	AMPACITY (AMPS) 90°C
8	7/w	45	0.230	29	45
6	7/w	45	0.260	40	60
4	7/w	45	0.305	58	75
2	7/w	45	0.360	86	100
1	19/w	55	0.415	109	115
1/0	19/w	55	0.450	132	135
2/0	19/w	55	0.490	162	150
3/0	19/w	55	0.540	199	175
4/0	19/w	55	0.590	245	205
250	37/w	65	0.655	294	230
300	37/w	65	0.705	347	255
350	37/w	65	0.750	398	280
400	37/w	65	0.795	450	305
500	37/w	65	0.870	552	350
600	61/w	80	0.980	672	385
700	61/w	80	1.040	774	420
750	61/w	80	1.075	825	435
1000	61/w	80	1.230	1077	500

STANDARDS : UL Standard 44 and Federal Specification JC-30B NEC ASTM B 800, B 801