

Aluminum RHH/RHW-2/USE-2

600V 90°C XLP Insulation



APPLICATION:

USE-2 cables are primarily used for power distribution, in raceways in accordance with National Electrical Code, except that the cable is not rated for use in cable tray. USE-2 is approved for direct burial and for service entrance below ground. USE-2 cables may be used in wet or dry locations, with conductor temperatures not exceeding 90°C. Voltage rating for USE-2 cable is 600V.

CONDUCTORS:

- Compact bare 8000 series aluminum, with Class B stranding per ASTM

INSULATION:

- Abrasion, heat and moisture resistant cross-linked polyethylene insulation (XLP)

STANDARDS:

- UL 44
- UL 854
- NEMA WC 70/ICEA S-95-658
- Requirements of the National Electrical Code
- ASTM B800, B801, B836
- Sunlight resistant
- Oil Resistant PRI/PRII
- Gas and Oil Res GRI/GRII
- RUS ACCEPTED

Part Number	Conductor Size	Conductor Diameter		Insulation Thickness		Overall Diameter		Net Weight	Ampacity* at 90°C
	AWG/kcmil	inches	mm	inches	mm	inches	mm	lbs/kft	amps
8-01XL-USE-2-ALUM	8	0.134	3.40	0.060	1.52	0.257	6.53	36	45
6-01XL-USE-2-ALUM	6	0.169	4.29	0.060	1.52	0.292	7.42	49	55
4-01XL-USE-2-ALUM	4	0.213	5.41	0.060	1.52	0.336	8.53	65	75
3-01XL-USE-2-ALUM	3	0.240	6.10	0.060	1.52	0.368	9.35	78	85
2-01XL-USE-2-ALUM	2	0.268	6.81	0.060	1.52	0.391	9.93	94	100
1-01XL-USE-2-ALUM	1	0.299	7.59	0.080	2.03	0.462	11.73	126	115
1/0-01XL-USE-2-ALUM	1/0	0.335	8.51	0.080	2.03	0.499	12.67	151	135
2/0-01XL-USE-2-ALUM	2/0	0.378	9.60	0.080	2.03	0.539	13.69	182	150
3/0-01XL-USE-2-ALUM	3/0	0.423	10.74	0.080	2.03	0.586	14.88	221	175
4/0-01XL-USE-2-ALUM	4/0	0.476	12.09	0.080	2.03	0.638	16.21	269	205
250-01XL-USE-2-ALUM	250	0.520	13.21	0.095	2.41	0.713	18.11	326	230
300-01XL-USE-2-ALUM	300	0.571	14.50	0.095	2.41	0.763	19.38	381	260
350-01XL-USE-2-ALUM	350	0.614	15.60	0.095	2.41	0.809	20.55	435	280
400-01XL-USE-2-ALUM	400	0.657	16.69	0.095	2.41	0.852	21.64	489	305
500-01XL-USE-2-ALUM	500	0.736	18.69	0.095	2.41	0.929	23.60	595	350
750-01XL-USE-2-ALUM	750	0.909	23.09	0.110	2.79	1.131	28.73	881	435
1000-01XL-USE-2-ALUM	1000	1.059	26.90	0.110	2.79	1.283	32.59	1145	500

All values are nominal and subject to correction.

*Ampacities shown are for general use as specified by the National Electrical Code 2023 Edition section 310.16



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