

8000 SERIES TYPE RHH/RHW-2 CABLES XLP INSULATED CT-SR 600 V 90°C



DESCRIPTION

Aluminum alloy 8000 series conductor. Cross-Linked Polyethylene (XLP) Insulation. Used for general purpose applications where circuits are not exceeding 600 V. Weather and sunlight resistant. Approved for use in cable trays.

APPLICATIONS

- Lighting and low voltage distribution systems.
- Energy circuits.
- Control circuits.
- Solar and Wind Power Farms.
- Industrial installations.
- Public buildings.

CHARACTERISTICS

- Cross-linked polyethylene insulation (XLP).
- Suitable for installation in moisture and wet locations.
- Sun Resistant
- PR-II
- GR-II
- Meet cold bend test and cold impact at -40° C.
- VW-1
- CT
- Suitable for direct burial installation.

TECHNICAL DATA



Maximum operating voltage:
600 V



Preferred max. operating temp:

- Normal: 90°C / 194°F
- In emergency: 130°C / 266°F
- Short circuit: 250°C / 482°F



Packaging:

- Wooden reels.



Manufacturing range:

- 6 AWG to 1000 kcmil.

Standards:

- UL 44

DIMENSIONS AND CHARACTERISTICS OF CABLES

Size	Area of Cross-section	Compact Conductor Diameter	Insulation Thickness	Overall diameter	Theoretical weight	Ampacity (A)
AWG	mm ²	in	mil	in	lb/kft	90°C
6	13.3	0.17	60	0.29	48	60
4	21.2	0.21	60	0.33	68	75
2	33.6	0.27	60	0.39	94	100
1/0	53.5	0.34	80	0.50	157	135
2/0	67.4	0.38	80	0.54	187	150
3/0	85	0.43	80	0.59	228	175
4/0	107	0.48	80	0.64	276	205
250	127	0.52	95	0.71	336	230
300	152	0.57	95	0.76	391	255
350	177	0.62	95	0.81	446	280
400	203	0.66	95	0.85	500	305
500	253	0.74	95	0.93	607	350
600	304	0.81	110	1.03	741	385
750	380	0.91	110	1.13	899	435
1000	507	1.06	110	1.28	1169	465

Note: Consult Kobrex Engineering Department for more information.