

Unicon® USE-2/RHH/RHW-2

XLPE, Low-Voltage Power

600 V, UL Type USE-2/RHH/RHW-2, Single Conductor, Copper



Product Construction:

Conductor:

- 14 AWG thru 1000 kcmil annealed bare copper compressed Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE), black

Print:

For 14 AWG thru 2 AWG:

- GENERAL CABLE® (PLANT OF MFG) UNICON XLP TYPE USE-2 OR RHH OR RHW-2 VW-1 SIZE (AWG OR KCMIL) (SIZE MM²) 600 VOLTS SUN RES (UL) (MM)/(YYYY)

For 1/0 AWG and larger:

- GENERAL CABLE® (PLANT OF MFG) UNICON XLP TYPE USE-2 OR RHH OR RHW-2 VW-1 SIZE 600 VOLTS SUN RES FOR CT USE (UL) (MM)/(YYYY) SEQUENTIAL FEET

Options:

- 2 kV version
- Tinned copper conductor
- Class C stranding
- Various colors available
- Unicon® FREP® - flame-retardant Ethylene Propylene Rubber (EPR) insulation
- Other constructions available upon request

Applications:

- Ideally suited for use in a broad range of commercial, industrial and utility applications where reliability is a major concern, where maximum performance will be demanded and where space is limited
- In free air, raceways or direct burial in accordance with NEC

Features:

- Rated at 90°C wet or dry
- Smaller cable O.D.
- Excellent electrical, thermal and physical properties
- Excellent resistance to moisture
- Excellent resistance to crush, compression cuts and heat deformation
- Excellent flame resistance
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -25°C
- High Speed (HS) cable features a specially designed XLPE insulation that allows for fast and easy cable pulls for 8 AWG and larger

Compliances:

Industry Compliances:

- National Electrical Code (NEC®)
- ICEA S-95-658/NEMA WC70
- "FOR CT USE" on 1/0 AWG and larger in accordance with NEC
- UL 44 Type RHH/RHW-2, UL File # E90499
- UL 854 Type USE-2, UL File # E90499

Flame Test Compliances:

- UL 1581 VW-1
- For 1/0 AWG and larger: IEEE 383, IEEE 1202/CSA FT4, ICEA T-29-520

Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

Packaging:

- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	COND. SIZE (AWG/kcmil)	NO. OF WIRES	NOMINAL COND. DIAMETER		MIN. AVG. INSULATION THICKNESS		NOM. CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITY (1) 30°C AMBIENT	
			IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	@75°C	@90°C

14 AWG - 1000 kcmil CONDUCTORS

364830*	14	7	0.07	1.78	0.045	1.14	0.17	4.32	13	19	24	36	20	25
364840*	12	7	0.09	2.29	0.045	1.14	0.19	4.83	20	30	33	49	25	30
364850*	10	7	0.12	3.05	0.045	1.14	0.21	5.33	32	48	48	71	35	40
16602.210800	8	7	0.15	3.81	0.060	1.52	0.27	6.86	50	74	78	116	50	55
16602.210600	6	7	0.18	4.57	0.060	1.52	0.31	7.87	81	121	114	170	65	75
16602.210400	4	7	0.23	5.84	0.060	1.52	0.36	9.14	129	192	169	251	85	95
16602.210200	2	7	0.29	7.37	0.060	1.52	0.42	10.67	205	305	254	378	115	130
16602.215100	1/0	19	0.37	9.40	0.080	2.03	0.53	13.46	326	485	403	600	150	170
16602.215200	2/0	19	0.41	10.41	0.080	2.03	0.58	14.73	411	612	501	746	175	195
16602.215400	4/0	19	0.52	13.21	0.080	2.03	0.69	17.53	653	972	760	1131	230	260
16602.216000	250	37	0.56	14.22	0.095	2.41	0.77	19.56	772	1149	906	1348	255	290
16602.216200	350	37	0.67	17.02	0.095	2.41	0.87	22.10	1081	1609	1237	1841	310	350
16602.216500	500	37	0.80	20.32	0.095	2.41	1.00	25.40	1542	2295	1730	2575	380	430
16602.217000	750	61	0.98	24.89	0.110	2.79	1.22	30.99	2316	3447	2576	3834	475	535
16602.217500*	1000	61	1.13	28.70	0.110	2.79	1.37	34.80	3086	4592	3405	5067	545	615

Dimensions and weights are nominal; subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

(1) Allowable ampacities shown are for general use as specified by the National Electric Code.

Adjustment and corrections may apply.

