



# Unicon® XLPE High Speed

XLPE, Low-Voltage Power

600 V, UL Type RHH/RHW-2/USE-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

### 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:

- High Speed low friction technology for easy cable pulling
- Rated at 90°C wet or dry
- Smaller cable O.D.
- Excellent electrical, thermal and physical properties
- Sunlight-resistant
- 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

## 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 # E90494
- 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 or kcmil)	NUMBER OF WIRES	NOMINAL COND. DIAMETER		MINIMUM AVG. INSULATION THICKNESS		NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITY (1)
			INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	90°C
<b>14 AWG - 1000 kcmil CONDUCTORS</b>													
364830*	14	7	0.07	1.78	0.045	1.14	0.17	4.32	13	19	24	36	25
364840*	12	7	0.09	2.29	0.045	1.14	0.19	4.83	20	30	33	49	30
364850*	10	7	0.12	3.05	0.045	1.14	0.21	5.33	32	48	48	71	40
16602.210800	8	7	0.15	3.81	0.060	1.52	0.27	6.86	50	75	78	116	55
16602.210600	6	7	0.18	4.57	0.060	1.52	0.31	7.87	81	121	114	170	75
16602.210400	4	7	0.23	5.84	0.060	1.52	0.36	9.14	129	192	169	252	95
16602.210200	2	7	0.29	7.37	0.060	1.52	0.42	10.67	205	305	254	378	130
16602.215100	1/0	19	0.37	9.40	0.080	2.03	0.53	13.46	326	485	403	600	170
16602.215200	2/0	19	0.41	10.41	0.080	2.03	0.58	14.73	411	612	501	746	195
16602.215400	4/0	19	0.52	13.21	0.080	2.03	0.69	17.53	653	972	760	1131	260
16602.216000	250	37	0.56	14.22	0.095	2.41	0.77	19.56	772	1149	906	1349	290
16602.216200	350	37	0.67	17.02	0.095	2.41	0.87	22.10	1081	1609	1237	1841	350
16602.216500	500	37	0.80	20.32	0.095	2.41	1.00	25.40	1542	2295	1730	2575	430
16602.217000	750	61	0.98	24.89	0.110	2.79	1.22	30.99	2316	3447	2576	3834	535
16602.217500*	1000	61	1.13	28.70	0.110	2.79	1.37	31.80	3086	4593	3405	5068	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) Temperature, size and ampacity per National Electric Code, 2011 NEC Sections 110.14(c)(1) (a) & (b).

90°C – Wet or dry locations. For ampacity derating purposes.

Dwelling – For dwelling units, conductors shall be permitted as listed ampacities at 120/240-volt, 3-wire, single-phase services and feeders.

