

Unicon® XLPE

XLPE, Low-Voltage Power

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



Product Construction:

Conductor:

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

Insulation:

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

Print:

For 14 AWG – 4 AWG:

- GENERAL CABLE® (PLANT OF MFG) UNICON®-XLP TYPE USE-2 OR RHH OR RHW-2 VW-1 SIZE (AWG OR KCMIL) 600 VOLTS SUN RES (UL) DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

For 2 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) DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

* Sizes smaller than 1/0 AWG do not include "FOR CT USE"

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

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

Packaging:

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

CATALOG NUMBER	COND. SIZE (AWG/kcmil)	COND. STRAND	NOMINAL COND. DIAMETER		MINIMUM AVG. INSULATION THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT		AMPACITY (1)		
			INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	60°C	75°C	90°C

14 AWG - 1000 kcmil CONDUCTORS

364830*	14	7/.0242	0.07	1.78	0.045	1.14	0.17	4.32	13	19	24	36	15	15	15
364840*	12	7/.0305	0.09	2.29	0.045	1.14	0.19	4.83	20	30	33	49	20	20	20
364850*	10	7/.0385	0.12	3.05	0.045	1.14	0.21	5.33	32	48	48	71	30	30	30
16602.210800	8	7/.0486	0.15	3.81	0.060	1.52	0.27	6.86	50	75	78	116	40	50	55
16602.210600	6	7/.0612	0.18	4.57	0.060	1.52	0.31	7.87	81	121	114	170	55	65	75
16602.210400	4	7/.0772	0.23	5.84	0.060	1.52	0.36	9.14	129	192	169	252	70	85	95
16602.210200	2	7/.0974	0.29	7.37	0.060	1.52	0.42	10.67	205	305	254	378	95	115	130
16602.215100	1/0	19/.0740	0.37	9.40	0.080	2.03	0.53	13.46	326	485	403	600	125	150	170
16602.215200	2/0	19/.0837	0.41	10.41	0.080	2.03	0.58	14.73	411	612	501	746	145	175	195
16602.215400	4/0	19/.1055	0.52	13.21	0.080	2.03	0.69	17.53	653	972	760	1131	195	230	260
16602.216000	250	37/.0822	0.56	14.22	0.095	2.41	0.77	19.56	772	1149	906	1349	215	255	290
16602.216200	350	37/.0973	0.67	17.02	0.095	2.41	0.87	22.10	1081	1609	1237	1841	260	310	350
16602.216500	500	37/.1162	0.80	20.32	0.095	2.41	1.00	25.40	1542	2295	1730	2575	320	380	430
16602.217000	750	61/.1109	0.98	24.89	0.110	2.79	1.22	30.99	2316	3447	2576	3834	400	475	535
16602.217500*	1000	61/.1280	1.13	28.70	0.110	2.79	1.37	34.80	3086	4593	3405	5068	445	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) Temperature, size and ampacity per National Electric Code, 2011 NEC sections 110.14(c)(1) (a) & (b).

60°C – When terminated to equipment for circuits rated 100 amperes or less or marked for 14 through 1 AWG conductors.

75°C – When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG.

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.



Phone: 800-243-8020
www.generalcable.com

