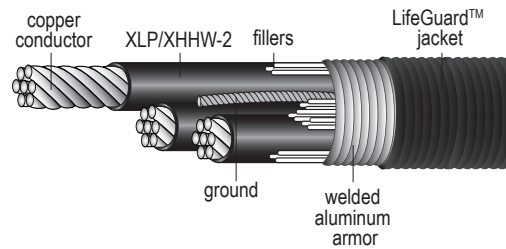


SPECIFICATION
HW321

**IMPERVIOUS CONTINUOUSLY
WELDED ARMOR – POWER CABLE**

**600 Volt UL Type MC-LS, CT USE, 90°C
XLP XHHW-2 Insulation
Aluminum Armor, Copper Conductors
Low Smoke Zero Halogen Jacket**

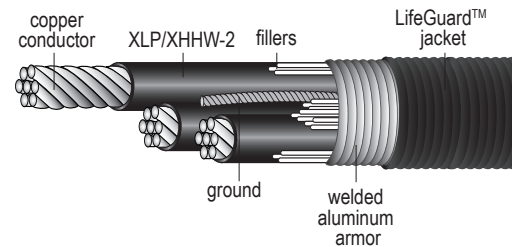


ARMORED CABLE

Catalog Number	Size AWG/kcmil	Number of Conductors	Number of Strands	Insulation Thickness Mils	Ground Wire Size AWG	Armor Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW321 00803	8	3	7	45	10	0.78	60	0.90	437
HW321 00804	8	4	7	45	10	0.83	60	0.95	507
HW321 00603	6	3	7	45	8	0.87	60	0.99	585
HW321 00604	6	4	7	45	8	0.91	60	1.03	683
HW321 00403	4	3	7	45	8	0.91	60	1.03	747
HW321 00404	4	4	7	45	8	1.05	60	1.17	919
HW321 00203	2	3	7	45	6	1.30	60	1.42	1377
HW321 00204	2	4	7	45	6	1.30	60	1.42	1356
HW321 00103	1	3	19	55	6	1.30	60	1.42	1330
HW321 00104	1	4	19	55	6	1.43	60	1.55	1642
HW321 10103	1/0	3	19	55	6	1.35	60	1.57	1566
HW321 10104	1/0	4	19	55	6	1.47	60	1.59	1950
HW321 20103	2/0	3	19	55	6	1.47	60	1.59	1930
HW321 20104	2/0	4	19	55	4	1.59	70	1.73	2420
HW321 40103	4/0	3	19	55	6	1.67	70	1.81	2782
HW321 40104	4/0	4	19	55	4	1.87	70	2.01	3548
HW321 25003	250	3	37	65	3	1.87	70	2.01	3269
HW321 25004	250	4	37	65	4	2.04	70	2.18	4116
HW321 35003	350	3	337	65	3	2.04	70	2.18	4376
HW321 35004	350	4	37	65	3	2.29	85	2.46	5633
HW321 50003	500	3	37	65	2	2.43	85	2.60	6041
HW321 50004	500	4	37	65	2	2.67	85	2.84	7891
HW321 75003	750	3	61	80	1	2.93	85	3.10	8906
HW321 75004	750	4	61	80	1	3.22	95	3.41	11530

**IMPERVIOUS CONTINUOUSLY
WELDED ARMOR – POWER CABLE**

**600 Volt UL Type MC-LS, CT USE, 90°C
XLP XHHW-2 Insulation
Aluminum Armor, Copper Conductors
Low Smoke Zero Halogen Jacket**



APPLICATION:

LifeGuard™ Low Smoke Zero Halogen* cable is for use in power, control and lighting circuits in a broad range of commercial and industrial applications. The impervious armor provides maximum conductor protection and prevents the entrance of water, gas and corrosive elements into the electrical core. The LifeGuard™ jacket is highly flame retardant, produces very small amounts of smoke when burned and contains no halogens. It is ideal for applications where a high degree of safety and equipment protection is required.

LifeGuard™ cable is UL listed, Type MC-LS per UL 1685 and approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays and direct burial in circuits not exceeding 600 volts. It may be installed in temperatures as low as -30°C and used in hazardous locations. It is UL approved for continuous operation at 90°C in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

Impervious continuously welded and corrugated aluminum armor is recommended as an economical alternative to wire in conduit systems.

PRODUCT FEATURES:

- Tray rated
- Sunlight-resistant
- Approved for direct burial
- Very low smoke production when burned
- LifeGuard™ jacket produces zero halogens during fire – less toxic and corrosive
- LifeGuard™ jacket is environmentally safe – lead, sulfur and halogen free
- Highly chemical resistant
- Very flame retardant
- Burns to an ash – does not exhibit thermoplastic drip
- Excellent compression and impact resistance
- Superior tensile strength and abrasion resistance
- Flexible jacket with low coefficient of friction

CONDUCTOR:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8

INSULATION:

Cross-linked polyethylene (XLP) per ICEA S-95-658 and UL Standard 44 for Type XHHW-2 conductors

GROUNDING CONDUCTOR:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with UL Standard 1277

ARMOR:

Impervious continuously welded and corrugated aluminum

JACKET:

Sunlight-resistant and flame-retardant, Low Smoke Zero Halogen polyolefin per UL Standard 1277

FLAME TESTS:

- IEEE 1202 (70,000 BTU/hr) Flame Test
- IEEE 383 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test

COLOR CODE:

ICEA Method 1, Table E-2

ADDITIONAL STANDARDS:

- UL 1685
- NEMA WC70

ARMORED CABLE