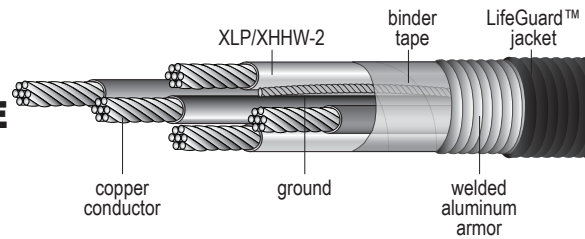


SPECIFICATION
HW320

**IMPERVIOUS CONTINUOUSLY
WELDED ARMOR – CONTROL 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

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

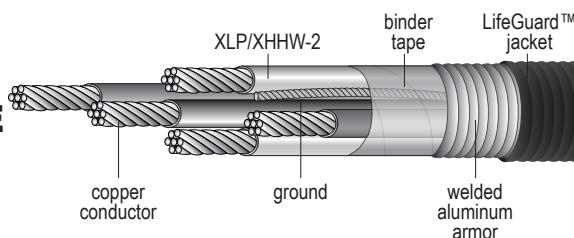
ADDITIONAL STANDARDS:

- UL 1685
- NEMA WC70

* Some cable insulations may contain trace amounts of halogens.

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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
HW320 01402	14	2	7	30	14	0.52	60	0.64	180
HW320 01403	14	3	7	30	14	0.56	60	0.68	210
HW320 01404	14	4	7	30	14	0.60	60	0.72	241
HW320 01407	14	7	7	30	14	0.64	60	0.76	278
HW320 01409	14	9	7	30	14	0.74	60	0.86	337
HW320 01412	14	12	7	30	14	0.83	60	0.95	412
HW320 01419	14	19	7	30	14	0.91	60	1.03	557
HW320 01437	14	37	7	30	14	1.30	60	1.42	987
HW320 01202	12	2	7	30	12	0.56	60	0.68	215
HW320 01203	12	3	7	30	12	0.60	60	0.72	255
HW320 01204	12	4	7	30	12	0.64	60	0.76	296
HW320 01207	12	7	7	30	12	0.69	60	0.81	350
HW320 01209	12	9	7	30	12	0.83	60	0.95	435
HW320 01212	12	12	7	30	12	0.88	60	0.98	513
HW320 01219	12	19	7	30	12	1.06	60	1.16	730
HW320 01237	12	37	7	30	12	1.42	60	1.52	1315
HW320 01002	10	2	7	30	10	0.61	60	0.71	258
HW320 01003	10	3	7	30	10	0.65	60	0.75	310
HW320 01004	10	4	7	30	10	0.70	60	0.80	356
HW320 01007	10	7	7	30	10	0.79	60	0.89	450
HW320 01009	10	9	7	30	10	0.88	60	0.98	555
HW320 01012	10	12	7	30	10	1.06	60	1.12	700

ARMORED CABLE