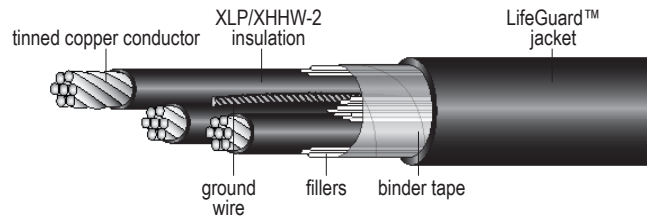


**SPECIFICATION**  
**HW172**



**TRAY CABLE - POWER CABLE**

**600 Volt UL Type TC-LS, 90°C**  
**XLP XHHW-2 Insulation**  
**Low Smoke Zero Halogen Jacket**  
**Tinned Copper Conductors**  
**FM Approved**



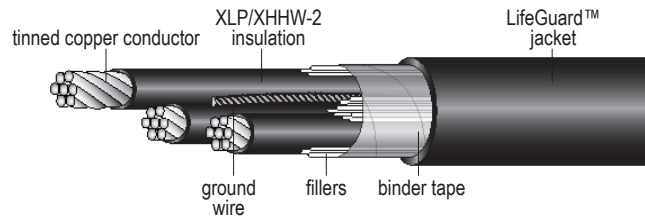
Catalog Number	Size AWG/kcmil	Number of Conductors	Number of Strands	Insulation Thickness Mils	Ground Wire Size AWG	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW172 01203G	12	3	7	45	-	60	0.42	100
HW172 01003G	10	3	7	45	10	60	0.49	169
HW172 00803	8	3	7	45	-	60	0.63	238
HW172 0803G	8	3	7	45	10	60	0.63	267
HW172 00804	8	4	7	45	-	60	0.70	305
HW172 0804G	8	4	7	45	10	60	0.70	339
HW172 00603	6	3	7	45	-	60	0.71	390
HW172 0603G	6	3	7	45	8	60	0.71	437
HW172 00604	6	4	7	45	-	60	0.78	497
HW172 0604G	6	4	7	45	8	60	0.78	495
HW172 00403	4	3	7	45	-	80	0.81	564
HW172 0403G	4	3	7	45	8	80	0.81	612
HW172 00404	4	4	7	45	-	80	0.94	763
HW172 0404G	4	4	7	45	8	80	0.94	814
HW172 0203G	2	3	7	45	6	80	0.98	867
HW172 0204G	2	4	7	45	6	80	1.08	1087
HW172 1003G	1/0	3	19	55	6	80	1.20	1390
HW172 1004G	1/0	4	19	55	6	80	1.30	1676
HW172 2004G	2/0	4	19	55	6	80	1.34	1934
HW172 2003G	2/0	3	19	55	4	80	1.44	2780
HW172 4003G	4/0	3	19	55	4	80	1.53	2523
HW172 4004G	4/0	4	19	55	4	110	1.79	3630
HW172 2503G	250	3	37	65	4	110	1.78	3296
HW172 2504G	250	4	37	65	3	110	1.90	4210
HW172 3503G	350	3	37	65	3	110	2.00	3643
HW172 3504G	350	4	37	65	3	110	2.21	4743
HW172 5003G	500	3	37	65	2	110	2.29	6116
HW172 5004G	500	4	37	65	1	110	2.54	7881
HW172 7503G	750	3	61	80	2/0	140	2.81	9101

TRAY CABLES



## TRAY CABLE - POWER CABLE

**600 Volt UL Type TC-LS, 90°C  
XLP XHHW-2 Insulation  
Low Smoke Zero Halogen Jacket  
Tinned Copper Conductors  
FM Approved**



### 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. LifeGuard™ jacket is highly flame retardant, produces very small amounts of smoke when burned and contains no halogens. LifeGuard™ cable is ideal for applications where a high degree of safety and equipment protection is required.

LifeGuard™ cable is UL listed as Type TC-LS 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 NEC Class I and II, Division 2 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. Exposed Run (ER) rating available upon request.

### PRODUCT FEATURES:

- Tray rated
- Sunlight-resistant
- Approved for direct burial
- Tinned conductors provide ease of termination and added protection in caustic environments
- 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

### CONDUCTORS:

Tin coated soft annealed copper per ASTM B-33, Class B stranding per ASTM B-8

### INSULATION:

Cross-linked polyethylene (XLP) per UL Standard 44 for Type XHHW-2 conductors

### JACKET:

Sunlight-resistant and flame-retardant, Low Smoke Zero Halogen polyolefin per UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping

### FLAME TESTS:

- FM Approved - Class 3972 Specification Test Standard - Cable Fire Propagation Group 1
- UL Standard 1581 (70,000 BTU/hr) Flame Test
- IEEE 383 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test
- IEEE 1202/CSA FT4 (70,000 BTU/hr) Flame Test
- UL Standard 1685 (70,000 BTU/hr) Flame Propagation and Smoke Release Test
- Flame Test listings may vary by cable size

### COLOR CODE:

ICEA Method 4

### ADDITIONAL STANDARDS:

NEC Type TC per articles 336, 392, and 501.4 (b) and Class 1 circuits per NEC article 725

\* Some cable insulations may contain trace amounts of halogens.