

**Products: Main : [D: Tray Cables 600 Volt, Control & Power](#) : Power Cable...XLP, XHHW-2...LS-ZH :**

**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



Catalog Number	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness	Ground Wire Size AWG	Jacket Thickness	Overall Diameter Inch	Net Weight Lbs/Mft
HW172 00403	4	3	7	45	-	80	0.81	564
HW172 00404	4	4	7	45	-	80	0.94	763
HW172 00603	6	3	7	45	-	60	0.71	390
HW172 00604	6	4	7	45	-	60	0.78	497
HW172 00803	8	3	7	45	-	60	0.63	238
HW172 00804	8	4	7	45	-	60	0.70	305
HW172 0203G	2	3	7	45	6	80	0.98	867
HW172 0204G	2	4	7	45	6	80	1.08	1087
HW172 0403G	4	3	7	45	8	80	0.81	612
HW172 0404G	4	4	7	45	8	80	0.94	814
HW172 0603G	6	3	7	45	8	60	0.71	437
HW172 0604G	6	4	7	45	8	60	0.78	495
HW172 0803G	8	3	7	45	10	60	0.63	267
HW172 0804G	8	4	7	45	10	60	0.70	339
HW172 1003G	1/0	3	19	55	6	80	1.20	1390
HW172 2003G	2/0	3	19	55	6	80	1.30	1676
HW172 2503G	250	3	37	65	4	110	1.78	3296
HW172 2504G	250	4	37	65	3	110	1.06	4210
HW172 3503G	350	3	37	65	3	110	2.00	3643

HW172 3504G	350	4	37	65	3	110	2.21	4743
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 5003G	500	3	37	65	2	110	2.29	6116
HW172 5004G	500	4	37	65	2	110	2.54	7881
HW172 7503G	750	3	61	80	2/0	140	2.81	9101

### 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 where shielding from ambient electrical interference is required. It is highly flame retardant, produces very small amounts of smoke when burned and contain no halogens. LifeGuard™ cable is ideal for applications where a high degree of equipment and personnel protection is required.

LifeGuard™ cable is NEC listed as Type TC 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 NEC 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.

### 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
- Produces zero halogens during fire – less toxic and corrosive
- 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.

**Grounding Conductor:**

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

**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 Test:**

UL Standard 1581 70,000 BTU/hr flame test

**Color Code:**

ICEA Method 4

**Additional Standards:**

- UL Standard 1685
- 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.



**1-800-HOU-WIRE**  
2002 Product Catalog