



Specification

HW170

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



Catalog Number	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness	Jacket Thickness	Overall Diameter Inch	Net Weight Lbs/Mft
HW170 01402	14	2	7	30	45	0.36	66
HW170 01403	14	3	7	30	45	0.38	86
HW170 01404	14	4	7	30	45	0.42	108
HW170 01405	14	5	7	30	45	0.45	130
HW170 01407	14	7	7	30	60	0.49	169
HW170 01409	14	9	7	30	60	0.62	238
HW170 01412	14	12	7	30	60	0.69	298
HW170 01419	14	19	7	30	60	0.80	438
HW170 01425	14	25	7	30	60	0.96	631
HW170 01430	14	30	7	30	60	1.04	721
HW170 01437	14	37	7	30	60	1.13	867
HW170 01202	12	2	7	30	45	0.40	87
HW170 01203	12	3	7	30	45	0.42	117
HW170 01204	12	4	7	30	45	0.46	147
HW170 01205	12	5	7	30	60	0.50	178
HW170 01207	12	7	7	30	60	0.58	253
HW170 01209	12	9	7	30	60	0.68	360
HW170 01212	12	12	7	30	60	0.76	409
HW170 01219	12	19	7	30	60	0.93	651
HW170 01225	12	25	7	30	60	1.01	894
HW170 01230	12	30	7	30	60	1.18	1040
HW170 01237	12	37	7	30	60	1.27	1256
HW170 01002	10	2	7	30	45	0.45	119
HW170 01003	10	3	7	30	45	0.48	162
HW170 01004	10	4	7	30	60	0.52	207
HW170 01005	10	5	7	30	60	0.58	272

HW170 01007	10	7	7	30	60	0.65	358
HW170 01009	10	9	7	30	60	0.77	459
HW170 01012	10	12	7	30	60	0.91	628
HW170 01019	10	19	7	30	60	1.05	935

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. It 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 NEC 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 1, 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:

- FM Approved per cable fire propagation Standard 3972, Group 1
- 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 1, Table E-1 and E-2

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.

All data subject to change without notice