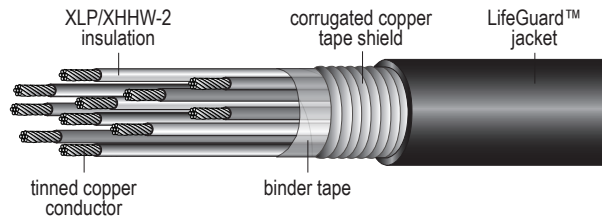


SPECIFICATION
HW173



TRAY CABLE - SUBSTATION CONTROL CABLE

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



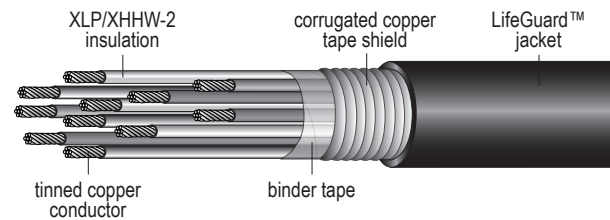
TRAY CABLES

| Catalog Number | Size AWG | Number of Conductors | Number of Strands | Insulation Thickness Mils | Jacket Thickness Mils | Overall Diameter Inches | Net Weight Lbs/Mft |
|----------------|----------|----------------------|-------------------|---------------------------|-----------------------|-------------------------|--------------------|
| HW173 01404 | 14 | 4 | 7 | 30 | 45 | 0.48 | 144 |
| HW173 01407 | 14 | 7 | 7 | 30 | 45 | 0.60 | 231 |
| HW173 01412 | 14 | 12 | 7 | 30 | 60 | 0.75 | 348 |
| HW173 01419 | 14 | 19 | 7 | 30 | 80 | 0.90 | 534 |
| HW173 01204 | 12 | 4 | 7 | 30 | 45 | 0.52 | 182 |
| HW173 01207 | 12 | 7 | 7 | 30 | 45 | 0.65 | 296 |
| HW173 01212 | 12 | 12 | 7 | 30 | 60 | 0.82 | 463 |
| HW173 01219 | 12 | 19 | 7 | 30 | 80 | 0.99 | 718 |
| HW173 01004 | 10 | 4 | 7 | 30 | 45 | 0.62 | 265 |
| HW173 01005 | 10 | 5 | 7 | 30 | 60 | 0.61 | 318 |
| HW173 01007 | 10 | 7 | 7 | 30 | 60 | 0.72 | 408 |
| HW173 01012 | 10 | 12 | 7 | 30 | 80 | 0.96 | 695 |
| HW173 01019 | 10 | 19 | 7 | 30 | 80 | 1.12 | 1015 |



TRAY CABLE - SUBSTATION CONTROL 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 utility substation applications where shielding from ambient electrical interference is required. 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.

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

OVERALL SHIELD:

Longitudinally applied 5 mil corrugated copper tape shield

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:

- 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

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.