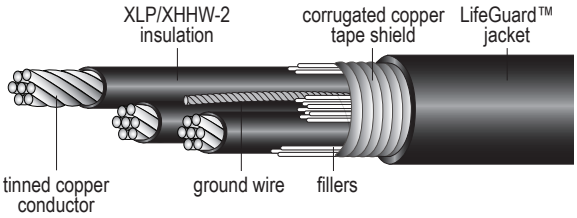
FM APPROVED



TRAY CABLE - SUBSTATION CONTROL CABLE

600 Volt UL Type TC-LS, 90°C
Corrugated 5 Mil Copper Tape Shield
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
HW174 00804	8	4	7	45	-	60	0.76	422
HW174 0804G	8	4	7	45	10	60	0.76	475
HW174 00604	6	4	7	45	-	60	0.89	513
HW174 0604G	6	4	7	45	8	60	0.89	577
HW174 00404	4	4	7	45	-	60	1.01	750
HW174 0404G	4	4	7	45	8	60	1.01	808
HW174 00204	2	4	7	45	-	80	1.15	890
HW174 0204G	2	4	7	45	6	80	1.15	960
HW174 1004G	1/0	4	19	55	6	80	1.46	2057
HW174 2004G	2/0	4	19	55	6	80	1.56	2464
HW174 4004G	4/0	4	19	55	4	110	1.80	3640
HW174 2503G	250	3	37	65	4	110	1.75	3265
HW174 3503G	350	3	37	65	3	110	2.01	3653
HW174 5003G	500	3	37	65	2	110	2.30	6126

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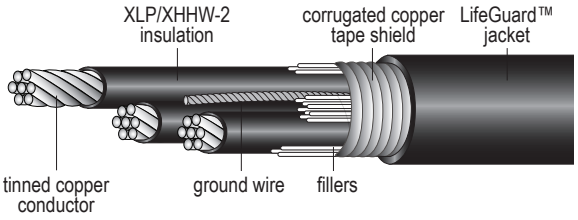

APPLICATION:
LifeGuard™ Low Smoke Zero Halogen* cable is for use in power, control and lighting circuits in a broad range of utility substation applications where shielding from ambient electrical interference is required. LifeGuard™ jacket is highly flame retardant, produces very small amounts of smoke 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

GROUNDING CONDUCTOR:
Soft annealed copper per ASTM B-33, 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:
- 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 M-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.*