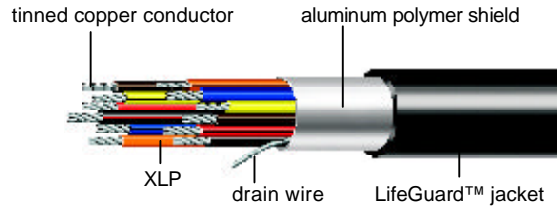


TRAY CABLE - SHIELDED CONTROL CABLE

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



Application:

LifeGuard™ Low Smoke Zero Halogen* cable is for use in instrumentation and process control applications where protection from electrostatic interference is required. LifeGuard™ cable jackets are highly flame-retardant, produce very small amounts of smoke when burned and contain 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
- Superior electrostatic interference protection from overall shield
- 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.

Overall Shield:

Aluminum-polymer tape providing 100% coverage with a flexible 7 strand tinned copper drain wire.

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:

UL Standard 1581 70,000 BTU/hr flame test

Color Code:

ICEA Method 1, Table E-1 and E-2

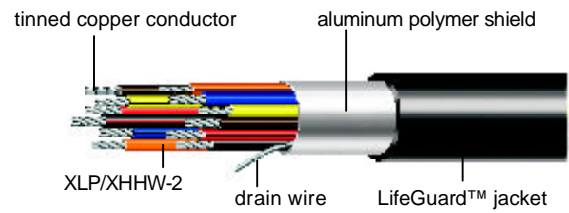
Additional Standards:

- 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.

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XLP XHHW-2 Insulation
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Catalog No.	Size AWG	No. of Conductors	No. of Strands	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
HW171 01602	16	2	7	30	45	.33	59
HW171 01603	16	3	7	30	45	.35	67
HW171 01604	16	4	7	30	45	.38	92
HW171 01605	16	5	7	30	45	.42	109
HW171 01607	16	7	7	30	45	.45	135
HW171 01609	16	9	7	30	45	.56	188
HW171 01612	16	12	7	30	45	.62	232
HW171 01615	16	15	7	30	60	.69	281
HW171 01619	16	19	7	30	60	.72	322

Tray Cables