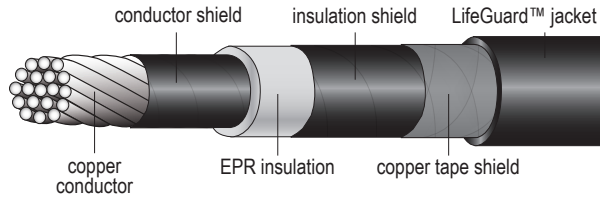


SPECIFICATION
HW220

POWER CABLE

5kV/8kV UL Type MV-105-LS, 105°C
Single Conductor, Shielded
EPR Insulation
Low Smoke Zero Halogen Jacket
5kV 133%, 8kV 100% Insulation Level
Copper Conductors

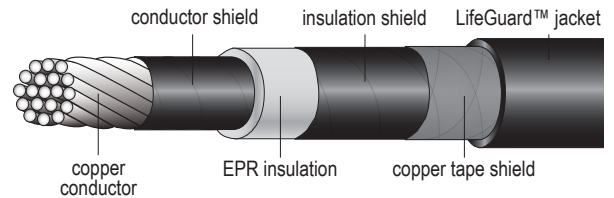


MEDIUM VOLTAGE POWER CABLES

Catalog Number	Size AWG	Number of Strands	Insulation Thickness Mils	Insulation Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW220 00601	6	7	115	0.43	60	0.63	286
HW220 00401	4	7	115	0.50	60	0.71	350
HW220 00201	2	7	115	0.56	60	0.77	460
HW220 00101	1	19	115	0.60	60	0.81	565
HW220 10101	1/0	19	115	0.64	60	0.84	620
HW220 20101	2/0	19	115	0.68	80	0.93	755
HW220 30101	3/0	19	115	0.73	80	0.99	890
HW220 40101	4/0	19	115	0.79	80	1.04	1055
HW220 25001	250	37	115	0.85	80	1.09	1205
HW220 35001	350	37	115	0.95	80	1.20	1570
HW220 50001	500	37	115	1.08	80	1.34	2115
HW220 75001	750	61	115	1.27	80	1.53	2995
HW220 10001	1000	61	115	1.42	80	1.68	3870

POWER CABLE

**5kV/8kV UL Type MV-105-LS, 105°C
Single Conductor, Shielded
EPR Insulation
Low Smoke Zero Halogen Jacket
5kV 133%, 8kV 100% Insulation Level
Copper Conductors**



APPLICATION:

LifeGuard™ Low Smoke Zero Halogen cable is for use in power circuits in chemical plants, refineries, steel mills, industrial plants, commercial buildings, utility substations and generating stations. It may be installed in open air, conduit, duct, cable tray when CT rated, or direct buried in earth, in wet and dry locations. 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.

It is UL approved for use at 105°C for continuous operation, 140°C for emergency overload conditions, and 250°C for short circuit conditions.

PRODUCT FEATURES:

- Cable tray rated on sizes 1/0 AWG and larger
- Sunlight-resistant
- Approved for direct burial
- 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

CONDUCTOR:

Compressed soft annealed copper per ASTM B-3, Class B stranding per ASTM B-8, with a semi-conducting conductor shield

INSULATION:

Ethylene propylene rubber (EPR) per ICEA S-97-682 Type III with a semi-conducting insulation shield

SHIELD:

Uncoated copper tape with a 25% overlap per ICEA S-97-682

JACKET:

Sunlight-resistant and flame-retardant, Low Smoke Zero Halogen polyolefin per UL Standard 1072 and ICEA T-33-655-1994 Section 5-4

FLAME TESTS:

- CT listed sizes 1/0 AWG and larger
- IEEE 383 (70,000 BTU/hr) Flame Test
- IEEE 1202 (70,000 BTU/hr) Flame Test

ADDITIONAL STANDARDS:

- UL 1685
- AEIC C5-8

* Some cable insulations may contain trace amounts of halogens.