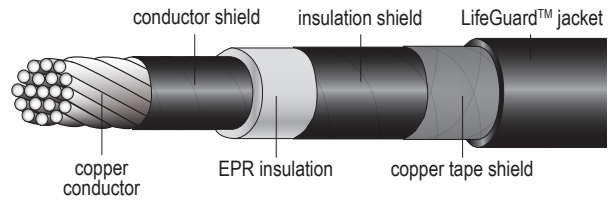


SPECIFICATION
HW221

POWER CABLE

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

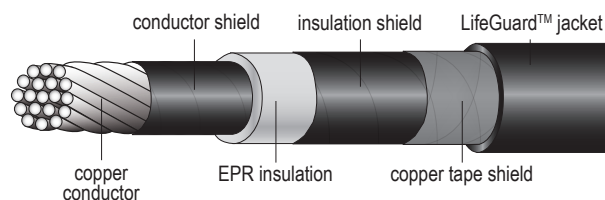


MEDIUM VOLTAGE POWER CABLES

Catalog Number	Size AWG	Number of Strands	Insulation Thickness Mils	Insulation Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW221 00201	2	7	140	0.813	60	0.81	512
HW221 10101	1/0	19	140	0.920	80	0.93	711
HW221 20101	2/0	19	140	0.960	80	0.98	822
HW221 40101	4/0	19	140	1.065	80	1.09	1136
HW221 35001	350	37	140	1.225	80	1.25	1669
HW221 50001	500	37	140	1.350	80	1.39	2211

POWER CABLE

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

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.