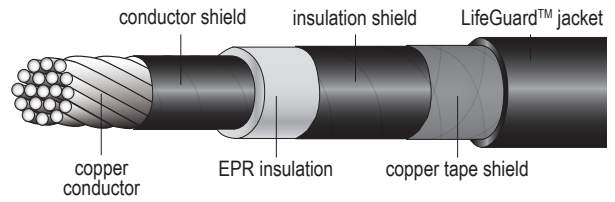


**SPECIFICATION**  
**HW222**

**POWER CABLE**

**15kV UL Type MV-105-LS, 105°C  
Single Conductor, Shielded  
EPR Insulation  
Low Smoke Zero Halogen Jacket  
133% Insulation Level  
Copper Conductors**

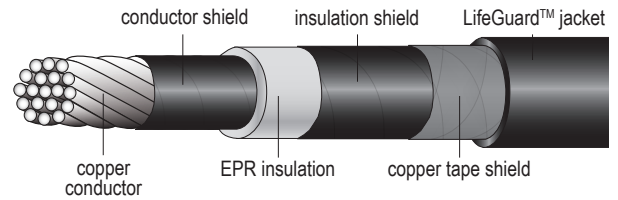


MEDIUM VOLTAGE POWER CABLES

Catalog Number	Size AWG	Number of Strands	Insulation Thickness Mils	Insulation Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW222 00201	2	7	220	0.77	60	1.02	685
HW222 00101	1	19	220	0.81	60	1.06	760
HW222 10101	1/0	19	220	0.85	60	1.10	840
HW222 20101	2/0	19	220	0.89	80	1.14	955
HW222 30101	3/0	19	220	0.95	80	1.19	1115
HW222 40101	4/0	19	220	1.00	80	1.25	1275
HW222 25001	250	37	220	1.06	80	1.33	1465
HW222 35001	350	37	220	1.16	80	1.43	1840
HW222 50001	500	37	220	1.29	80	1.56	2395
HW222 75001	750	61	220	1.48	110	1.81	3415
HW222 10001	1000	61	220	1.63	110	1.98	4435

## POWER CABLE

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EPR Insulation  
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### 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.