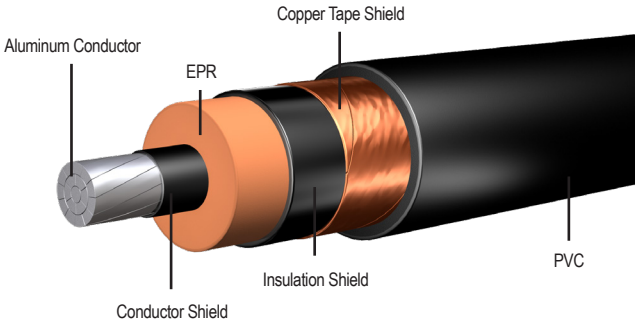
POWER CABLE

15kV UL Type MV-105, 105ºC Single Conductor, Shielded EPR Insulation, PVC Jacket 133% Insulation Level Aluminum Conductor



HWC Part Number	Cond. Size (AWG/kcmil)	Insulation Thickness (mils)	Insulation Diameter (inches)	Jacket Thickness (inches)	Overall Diameter (inches)	Net Cable Weight (lb/mft)	Allowable Ampacities	
							Duct	Conduit in Air
HW208A00201	2	220	.76	.07	.99	488	130	130
HW208A00101	1	220	.79	.07	1.02	523	145	150
HW208A10101	1/0	220	.83	.07	1.05	575	165	170
HW208A20101	2/0	220	.87	.07	1.09	627	190	200
HW208A30101	3/0	220	.92	.07	1.14	690	215	225
HW208A40101	4/0	220	.96	.07	1.19	758	245	260
HW208A25001	250	220	1.02	.07	1.25	837	270	290
HW208A35001	350	220	1.10	.07	1.34	994	330	350
HW208A50001	500	220	1.21	.07	1.46	1217	400	430
HW208A75001	750	220	1.40	.07	1.64	1583	490	540
HW208A10001	1000	220	1.55	.07	1.86	2026	565	640

* Ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, Article 310.15

APPLICATION:
For use in aerial, direct burial, cable tray, conduit, and underground duct installations as permitted by the National Electric Code. The cable is capable of operating continuously with a conductor temperature not to exceed 105ºC for normal operation, 140ºC for emergency overload conditions, and 250ºC for short circuit conditions. It is rated at 15,000V with 133% insulation level (ungrounded system). Maximum sidewall pressure is 1000 lbs.

CONDUCTORS:
Compact stranded AA-8000 series aluminum alloy per ASTM B801 or ASTM B836 and ASTM B800 and ICEA part 2, Section 2.1 and 2.5

CONDUCTOR SHIELD:
Extruded semi-conducting thermoset polymeric layer over the conductor, applied in tandem and firmly bonded to the insulation

INSULATION:
Ethylene propylene rubber (EPR) with a nominal thickness of 0.220”

INSULATION SHIELD:
Extruded layer of semi-conducting thermosetting material which shall be identified as being semi-conducting. Over this layer will be applied a helically wrapped 5-mil copper tape with 25% overlap.

JACKET:
Black sunlight resistant PVC per ICEA S-97-682, with average thickness in accordance to Table 7-3 of ICEA.

ADDITIONAL STANDARDS:
- UL 1685 – 1/0 and larger, UL-CT Flame Exposure Test
- UL 1072 - Medium Voltage Power Cables
- ICEA S-93-639
- ICEA S-97-682
- IEEE 1202/FT4