POWER CABLE
15kV UL Type MV-105, 105°C
Single Conductor, Shielded EPR Insulation, PVC Jacket
133% Insulation Level
Aluminum Conductor

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 105°C for normal operation, 140°C for emergency overload conditions, and 250°C 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