



**SYCOR**  
TECHNOLOGY INC.

## Power Cable

### Type MV-90, Shielded - 25 KV

### EPR Insulation, Hypalon® Jacket



**CONSTRUCTION:**

Shielded, single conductor cables having stranded, bare copper conductors; extruded semi-conducting strand shield; ethylene propylene rubber (EPR) insulation; extruded semi-conducting insulation shield with bare copper tape shield; and Hypalon® jacket. Cables are rated for 25000 Volts, 90°C wet or dry locations, and meet the requirements of ICEA S-68-516, AEIC CS6, Article 326 and 310 of the National Electrical Code and UL-1072.

**TEMPERATURE RATING:**

90°C wet or dry locations

**VOLTAGE RATING:**

25000 Volts

**CONDUCTOR SHIELD:**

Extruded semi-conducting copolymer compound.

**INSULATION:**

Ethylene propylene rubber (EPR) 90°C per ICEA S-68-516 section 3.

**INSULATION SHIELD:**

Extruded semi-conducting copolymer compound applied over the insulation.

**SHIELD:**

Uncoated helically applied 5 mil bare copper tape with a minimum overlap of 12.5%.

**JACKET:**

Extruded Hypalon®.

**TESTING:**

Finished cable is tested in accordance with and meets the requirements of ICEA S-68-516, UL 1072 AND AEIC CS6.

**100% Insulation Level**

Sycor Part Number	AWG or MCM	Stran	Insul. Thick.	Jack Thick.	Appro O.D.	Appro Amp	Appro Weigh #/Mft.
MV9025KSHJ100-1	1	19	.260"	.080"	1.11"	170	840
MV9025KSHJ100-1/0	1/0	19	.260"	.080"	1.15"	195	920
MV9025KSHJ100-2/0	2/0	19	.260"	.080"	1.19"	225	1035
MV9025KSHJ100-3/0	3/0	19	.260"	.080"	1.24"	260	1170
MV9025KSHJ100-4/0	4/0	19	.260"	.080"	1.30"	295	1365
MV9025KSHJ100-250	250 MCM	37	.260"	.080"	1.35"	330	1530
MV9025KSHJ100-350	350 MCM	37	.260"	.080"	1.41"	395	1890
MV9025KSHJ100-500	500 MCM	37	.260"	.080"	1.58"	480	2445

**133% Insulation Level**

Sycor Part Number	AWG or MCM	Stran	Insul. Thick.	Jack Thick.	Appro O.D.	Appro Amp	Appro Weigh #/Mft.
MV9025KSHJ133-1	1	19	.345"	.080"	1.27"	170	860
MV9025KSHJ133-1/0	1/0	19	.345"	.080"	1.33"	195	1165
MV9025KSHJ133-2/0	2/0	19	.345"	.080"	1.37"	225	1300
MV9025KSHJ133-3/0	3/0	19	.345"	.080"	1.43"	260	1510
MV9025KSHJ133-4/0	4/0	19	.345"	.080"	1.48"	295	1625
MV9025KSHJ133-250	250 MCM	37	.345"	.080"	1.53"	330	1800
MV9025KSHJ133-350	350 MCM	37	.345"	.080"	1.65"	395	2300
MV9025KSHJ133-500	500 MCM	37	.345"	.110"	1.83"	480	2900

Ampacities are based on three single conductor cables in isolated conduit in air. Conductor temperature of 90°C and ambient air temperature of 40°C per table 310-73 of 1990 NEC.

**APPLICATIONS:**

Cables are suitable for use in wet or dry locations at maximum operating temperature of 90°C for normal operation; 130°C for emergency overload conditions; and 250°C for short circuit conditions.

May be installed in conduit, duct or aerially when properly supported by a messenger.

®Registered trademark

Sycor Advance Wire and Cable