



**SYCOR**

TECHNOLOGY INC.

## Power Cable

Type MV-90, Shielded - 15 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 15000 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:

15000 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.
MV9015KSHJ100-2	2	7	.175"	.080"	.890"	150	575
MV9015KSHJ100-1	1	19	.175"	.080"	.930"	170	655
MV9015KSHJ100-1/0	1/0	19	.175"	.080"	.970"	180	735
MV9015KSHJ100-2/0	2/0	19	.175"	.080"	1.01"	225	960
MV9015KSHJ100-3/0	3/0	19	.175"	.080"	1.06"	260	985
MV9015KSHJ100-4/0	4/0	19	.175"	.080"	1.12"	295	1150
MV9015KSHJ100-250	250 MCM	37	.175"	.080"	1.17"	330	1300
MV9015KSHJ100-350	350 MCM	37	.175"	.080"	1.27"	395	1660
MV9015KSHJ100-500	500 MCM	37	.175"	.080"	1.40"	480	2180

### 133% Insulation Level

Sycor Part Number	AWG or MCM	Stran	Insul. Thick.	Jack Thick.	Appro O.D.	Appro Amp	Appro Weigh #/Mft.
MV9015KSHJ133-1	1	19	.215"	.080"	1.01"	170	705
MV9015KSHJ133-1/0	1/0	19	.215"	.080"	1.05"	180	800
MV9015KSHJ133-2/0	2/0	19	.215"	.080"	1.10"	225	915
MV9015KSHJ133-3/0	3/0	19	.215"	.080"	1.15"	260	1050
MV9015KSHJ133-4/0	4/0	19	.215"	.080"	1.20"	295	1230
MV9015KSHJ133-250	250 MCM	37	.215"	.080"	1.26"	330	1405
MV9015KSHJ133-350	350 MCM	37	.215"	.080"	1.37"	395	1760
MV9015KSHJ133-500	500 MCM	37	.215"	.080"	1.49"	480	2300

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.

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**Sycor Technology Inc.** Advance Wire and Cable Division

2455 Milltower Court, Mississauga, Ontario L5N 5Z6 Phone: (905) 821-3591, Fax: (905) 821-7260

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