



**SYCOR**  
TECHNOLOGY INC.

**Power Cable**  
**Type MV-90, Shielded - 5 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 5000 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:**

5000 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%.

Sycor Part Number	AWG or MCM	Stran	Insul. Thick.	Jack Thick.	Appro O.D.	Amp	Appro Weigh #/Mft.
MV905KSHJ100-8	8	7	.090"	.045"	.510"	55	200
MV905KSHJ100-6	6	7	.090"	.060"	.580"	75	245
MV905KSHJ100-4	4	7	.090"	.060"	.620"	97	310
MV905KSHJ100-2	2	7	.090"	.060"	.670"	130	400
MV905KSHJ100-1	1	19	.090"	.060"	.720"	155	470
MV905KSHJ100-1/0	1/0	19	.090"	.060"	.750"	180	555
MV905KSHJ100-2/0	2/0	19	.090"	.080"	.850"	205	690
MV905KSHJ100-3/0	3/0	19	.090"	.080"	.890"	240	805
MV905KSHJ100-4/0	4/0	19	.090"	.080"	.940"	280	975
MV905KSHJ100-250	250 MCM	37	.090"	.080"	1.00"	315	1010
MV905KSHJ100-350	350 MCM	37	.090"	.080"	1.10"	385	1455
MV905KSHJ100-500	500 MCM	37	.090"	.080"	1.23"	475	1960

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.

**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.

**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 Advance Wire and Cable*