



SYCOR

TECHNOLOGY INC.

Power Cable

Type MV-90, Unshielded - 5 KV

EPR Insulation, Hypalon® Jacket



CONSTRUCTION:

Unshielded, single conductor cables having stranded, bare copper conductors; extruded semi-conducting strand shield; ethylene propylene rubber (EPR) insulation, extruded Hypalon® jacket. Cables are rated for 5000 Volts, 90°C wet or dry locations, and meet the requirements of ICEA S-68-516.

TEMPERATURE RATING:

90°C wet or dry locations

VOLTAGE RATING:

5000 Volts

CONDUCTOR SHIELD:

Extruded semi-conducting compound.

INSULATION:

Ethylene propylene rubber (EPR)

JACKET:

Extruded Hypalon®

TESTING:

Finished cable is tested in accordance with and meets the requirements of ICEA S-68-516.

APPLICATIONS:

For use in power circuits up to 5 KV when installed in accordance with NEC requirements for non-shielded cables operating above 2000 volts and up to a maximum of 5000 volts. UL listed as Type MV-90 for wet or dry locations. Also complies with ICEA S-68-516.

Sycor Part Number	AWG or MCM	Stran	Insul. Thick.	Jacke Thick.	Appro O.D.	Amp	Appro Weigh #/Mft.
MV905KJ100-8	8	7	.125"	.080"	.620"	55	234
MV905KJ100-6	6	7	.125"	.080"	.660"	75	300
MV905KJ100-4	4	7	.125"	.080"	.710"	97	355
MV905KJ100-2	2	7	.125"	.080"	.760"	130	420
MV905KJ100-1	1	19	.125"	.080"	.800"	156	535
MV905KJ100-1/0	1/0	19	.125"	.080"	.840"	180	640
MV905KJ100-2/0	2/0	19	.125"	.080"	.890"	205	730
MV905KJ100-3/0	3/0	19	.125"	.095"	.940"	240	905
MV905KJ100-4/0	4/0	19	.125"	.095"	1.00"	280	1050
MV905KJ100-250	250 MCM	37	.140"	.110"	1.13"	315	1285
MV905KJ100-350	350 MCM	37	.140"	.110"	1.23"	385	1650
MV905KJ100-500	500 MCM	37	.140"	.110"	1.36"	475	2200

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.

®Registered trademark

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Sycor Advance Wire and Cable