



SYCOR
TECHNOLOGY INC.

Power Cable

Type MV-90, Shielded - 35 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 35000 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:

35000 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.
MV9035KSHJ100-1/0	1/0	19	.345"	.080"	1.32"	195	1165
MV9035KSHJ100-2/0	2/0	19	.345"	.080"	1.37"	225	1300
MV9035KSHJ100-3/0	3/0	19	.345"	.080"	1.42"	260	1510
MV9035KSHJ100-4/0	4/0	19	.345"	.080"	1.48"	295	1625
MV9035KSHJ100-250	250 MCM	37	.345"	.080"	1.53"	330	1800
MV9035KSHJ100-350	350 MCM	37	.345"	.080"	1.65"	395	2300
MV9035KSHJ100-500	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.

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Sycor Advance Wire and Cable