



SYCOR
TECHNOLOGY INC.

Power Cable

Type MV-90, Shielded - 15 KV

XLP Insulation, PVC Jacket



CONSTRUCTION:

Shielded, single conductor cables having stranded, bare copper conductors; extruded semi-conducting strand shield; cross-linked polyethylene (XLP) insulation; extruded semi-conducting insulation shield with bare copper wire shield; and Polyvinyl Chloride (PVC) jacket. Cables are rated for 15000 Volts, 90°C wet or dry locations, and meet the requirements of ICEA S-66-524, AEIC CS5, 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:

Cross-linked polyethylene(XLP) 90°C per ICEA S-66-524 section 3.

INSULATION SHIELD:

Extruded semi-conducting copolymer compound applied over the insulation.

SHIELD:

Uncoated helically applied copper wires.

JACKET:

Extruded sunlight resistant Polyvinyl Chloride jacket with excellent mechanical properties.

TESTING:

Finished cable is tested in accordance with and meets the requirements of ICEA S-66-524, UL 1072 AND AEIC CS5.

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.

100% Insulation Level - 175 Mils

Sycor Part Number	AWG or MCM	Insul. Diam.	Insul. Shield Diam.	Jack Thick.	Appro O.D.	Appro Amp	Appro Weigh #/Mft.
MV9015KS100-2	2	.680"	.765"	.080"	.944"	150	545
MV9015KS100-1	1	.718"	.803"	.080"	.982"	170	616
MV9015KS100-1/0	1/0	.758"	.843"	.080"	1.022"	195	705
MV9015KS100-2/0	2/0	.803"	.888"	.080"	1.067"	225	815
MV9015KS100-3/0	3/0	.854"	.939"	.080"	1.118"	260	950
MV9015KS100-4/0	4/0	.911"	.996"	.080"	1.178"	295	1119
MV9015KS100-250	250 MCM	.967"	1.052"	.080"	1.242"	330	1305
MV9015KS100-300	300 MCM	1.021"	1.126"	.080"	1.316"	360	1513
MV9015KS100-350	350 MCM	1.072"	1.177"	.080"	1.367"	395	1699
MV9015KS100-400	400 MCM	1.118"	1.223"	.080"	1.413"	420	1904
MV9015KS100-500	500 MCM	1.202"	1.307"	.080"	1.497"	480	2241
MV9015KS100-600	600 MCM	1.290"	1.395"	.080"	1.585"	520	2607
MV9015KS100-750	750 MCM	1.394"	1.499"	.080"	1.689"	585	3135
MV9015KS100-1000	1000 MCM	1.545"	1.692"	.110"	1.942"	675	4166

133% Insulation Level - 220 Mils

Sycor Part Number	AWG or MCM	Insul. Diam.	Insul. Shield Diam.	Jack Thick.	Appro O.D.	Appro Amp	Appro Weigh #/Mft.
MV9015KS133-2	2	.770"	.855"	.080"	1.034"	150	609
MV9015KS133-1	1	.808"	.893"	.080"	1.072"	170	682
MV9015KS133-1/0	1/0	.848"	.933"	.080"	1.112"	195	774
MV9015KS133-2/0	2/0	.893"	.978"	.080"	1.157"	225	886
MV9015KS133-3/0	3/0	.944"	1.029"	.080"	1.219"	260	1062
MV9015KS133-4/0	4/0	1.001"	1.106"	.080"	1.296"	295	1255
MV9015KS133-250	250 MCM	1.057"	1.162"	.080"	1.352"	330	1411
MV9015KS133-300	300 MCM	1.111"	1.216"	.080"	1.406"	360	1601
MV9015KS133-350	350 MCM	1.162"	1.267"	.080"	1.457"	395	1791
MV9015KS133-400	400 MCM	1.208"	1.313"	.080"	1.503"	420	1976
MV9015KS133-500	500 MCM	1.292"	1.397"	.080"	1.587"	480	2339
MV9015KS133-600	600 MCM	1.380"	1.485"	.080"	1.675"	520	2710
MV9015KS133-750	750 MCM	1.484"	1.589"	.110"	1.839"	585	3341
MV9015KS133-1000	1000 MCM	1.635"	1.782"	.110"	2.032"	675	4291

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.