



SYCOR

TECHNOLOGY INC.

Power Cable

Type MV-90, Unshielded - 5 KV

XLP Insulation



CONSTRUCTION:

Unshielded, single conductor cables having stranded, bare copper conductors; extruded semi-conducting strand shield; cross-linked polyethylene (XLP) insulation; Cables are rated for 5000 Volts, 90°C wet or dry locations, and meet the requirements of ICEA S-66-524.

TEMPERATURE RATING:

90°C wet or dry locations

VOLTAGE RATING:

5000 Volts

CONDUCTOR SHIELD:

Extruded semi-conducting compound.

INSULATION/JACKET:

Cross-linked Polyethylene (XLPE)

TESTING:

Finished cable is tested in accordance with and meets the requirements of ICEA S-66-524.

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 dry locations only. Also complies with ICEA S-66-524.

| Sycor Part Number | AWG or MCM | Stran | Insul./ Jack Thick. | Appro O.D. | Appro Amp | Appro Weigh #/Mft. |
|-------------------|------------|-------|---------------------|------------|-----------|--------------------|
| MV905K100-8 | 8 | 7 | .110" | .410" | 55 | 105 |
| MV905K100-6 | 6 | 7 | .110" | .450" | 75 | 145 |
| MV905K100-4 | 4 | 7 | .110" | .500" | 97 | 205 |
| MV905K100-2 | 2 | 7 | .110" | .560" | 130 | 290 |
| MV905K100-1 | 1 | 19 | .110" | .590" | 155 | 355 |
| MV905K100-1/0 | 1/0 | 19 | .110" | .640" | 180 | 430 |
| MV905K100-2/0 | 2/0 | 19 | .110" | .680" | 205 | 520 |
| MV905K100-3/0 | 3/0 | 19 | .110" | .730" | 240 | 635 |
| MV905K100-4/0 | 4/0 | 19 | .110" | .780" | 280 | 785 |
| MV905K100-250 | 250 MCM | 37 | .120" | .850" | 315 | 960 |
| MV905K100-350 | 350 MCM | 37 | .120" | .970" | 385 | 1250 |
| MV905K100-500 | 500 MCM | 37 | .120" | 1.110" | 475 | 1730 |

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.

Sycor Advance Wire and Cable