



# MV-90 XLPE Insulated 2.4 kV Non Shielded

## Description

Medium voltage power cable.

## Approvals

UL listed as MV-90 Wet and Dry  
UL 1072  
ICEA S-96-659/NEMA WC71:  
Non-shielded cables 2001 to 5000 volts for  
electrical energy distribution

## Construction

- Stranded, soft annealed bare copper conductor
- (Aluminum conductor available upon request)
- Semi-conducting cross-linked polyethylene (XLPE) conductor shield
- Black sunlight and track resistant thermoset cross-linked Polyethylene (XLPE) insulation

## Temperature Rating

90°C - Normal Operating Temperature

## Voltage Rating

2.4 kV per UL  
5 kV 100% and 3 kV133% per ICEA

## Application

Primary power and distribution circuits in industrial and commercial installations, for use in wet or dry locations. Per NEC, use is limited to 2400 volts



Sycor Part No	AWG	Strands	Cond Nom	Insulation Thickn. (mil)	Appr. O.D. (in)	100% Insulation Level	
						Approx Weight Lbs./Mft.	
						Copper	Aluminu
MV902.4K100-8	8	7	0.13	110	0.39	94	-
MV902.4K100-6	6	7	0.17	110	0.42	131	74
MV902.4K100-4	4	7	0.21	110	.047	187	97
MV902.4K100-2	2	7	0.27	110	0.52	273	131
MV902.4K100-1	1	19	0.30	110	0.55	331	151
MV902.4K100-1/0	1/0	19	0.34	110	0.59	405	178
MV902.4K100-2/0	2/0	19	0.38	110	0.63	498	212
MV902.4K100-3/0	3/0	19	0.42	110	0.68	614	254
MV902.4K100-4/0	4/0	19	0.48	110	0.73	760	305
MV902.4K100-250	250	37	0.52	120	0.81	898	361
MV902.4K100-350	350	37	0.62	120	0.90	1227	474
MV902.4K100-500	500	37	0.74	120	1.02	1715	641
MV902.4K100-750	750	61	0.91	130	1.22	2539	928
MV902.4K100-1000	1000	61	1.06	130	1.38	3344	1197

\*Available in 100% and 133% Insulation Levels.