



# MV-90 XLPE Insulated, PVC Jacketed 25 kV Wire Shielded

## Description

Medium voltage shielded power cable. Primary power and distribution circuits in industrial and commercial installations. True Triple extrusion system and closed handling raw materials system, to eliminate any contact with ambient, until extrusion process ends.

## Approvals

UL listed as MV-90.

UL 1072

ICEA S-93-639/NEMA WC74 - Standard for 5kV - 40 kV Shielded power cables

ICEA S-97-682 - Standard for 5K - 40kVShielded power cables

AEIC CS8 Extruded dielectric shielded power cables 5kV - 40kV.

## Construction

- Soft annealed bare copper compacted conductor, Class B per ASTM B496.
- Semi conducting cross-linked polyethylene (XLPE) conductor shield.
- Solid soft annealed uncoated copper per ASTM B3, helically applied and uniformly spaced.
- Semi conducting cross-linked polyethylene (XLPE) insulation.
- Black Oil Resistant, sunlight resistant and flame retardant Polyvinyl Chloride (PVC) compound jacket

## Temperature Rating

Normal Operating Temperature - 90°C

## Voltage Rating

25kV 100% and 133% IL

## Application

Power circuits in generating plants where line to ground fault current are within shield capabilities.

May be used in wet or dry locations, installed in cable trays, raceways, duct and open air, aerially or directly buried as permitted by NEC.



Optional

Sycor Part No	AWG	Strands	Cond. Diam. (in)	Nom. Diam. Over Insulation	Jacket Thickness	Appr. O.D. (in)	100% Insulation Level (260 mil)		133% Insulation Levels (320 mil)				
							Approx Weight		Nom. Diam. Over Insulation	Jacket Thickness	Appr. O.D. (in)	Approx Weight	
							Copper	Aluminum				Copper	Aluminum
MV9025KS100-1	1	19	0.30	0.85	80	1.14	715	535	-	-	-	-	-
MV9025KS100-1/0	1/0	19	0.34	0.89	80	1.18	804	577	1.01	80	1.32	929	702
MV9025KS100-2/0	2/0	19	0.38	0.93	80	1.22	913	627	1.05	80	1.36	1042	756
MV9025KS100-3/0	3/0	19	0.42	0.98	80	1.27	1048	688	1.10	80	1.41	1181	821
MV9025KS100-4/0	4/0	19	0.48	1.03	80	1.34	1238	783	1.15	80	1.46	1353	898
MV9025KS100-250	250	37	0.52	1.09	80	1.40	1399	861	1.21	80	1.52	1517	980
MV9025KS100-300	300	37	0.57	1.14	80	1.45	1583	939	1.26	80	1.57	1706	1061
MV9025KS100-350	350	37	0.62	1.18	80	1.49	1767	1014	1.30	80	1.61	1893	1139
MV9025KS100-400	400	37	0.66	1.22	80	1.54	1947	1087	1.34	80	1.66	2076	1216
MV9025KS100-500	500	37	0.74	1.30	80	1.61	2304	1229	1.42	110	1.79	2544	1469
MV9025KS100-600	600	61	0.81	1.39	110	1.76	2778	1487	1.51	110	1.91	2972	1682
MV9025KS100-750	750	61	0.91	1.48	110	1.86	3305	1692	1.60	110	2.01	3509	1896
MV9025KS100-1000	1000	61	1.06	1.64	110	2.04	4228	2078	1.76	110	2.16	4398	2248

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