



MV-90 XLPE Insulated, PVC Jacketed 8 kV Copper Tape 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 - 40kV Shielded power cables

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

Temperature Rating

90°C- Normal Operating Temperature

Voltage Rating

8kV 100% and 133%

Application

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. 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.

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



Sycor Part No	AWG	Strands	Cond. Diam. (in)	Nom. Diam. Over Insul.	Jacket Thickness	Appr. O.D. (in)	100% Insulation Level (115 mil)		133% Insulation Levels (140 mil)		Approx Weight		
							Approx Weight		Nom. Diam. Over Insul.	Jacket Thickness	Appr. O.D. (in)	Approx Weight	
							Copper	Aluminum				Copper	Aluminum
MV908KT100-8	6	7	0.17	0.43	60	0.65	270	214	0.48	60	0.70	297	241
MV908KT100-4	4	7	0.21	0.48	60	0.69	338	248	0.53	60	0.74	366	276
MV908KT100-2	2	7	0.27	0.53	60	0.75	438	296	0.58	60	0.80	469	326
MV908KT100-1	1	19	0.30	0.56	60	0.78	504	325	0.61	60	0.83	536	356
MV908KT100-1/0	1/0	19	0.34	0.60	60	0.81	588	362	0.65	80	0.90	656	429
MV908KT100-2/0	2/0	19	0.38	0.64	80	0.89	726	440	0.69	80	0.94	762	476
MV908KT100-3/0	3/0	19	0.42	0.69	80	0.94	857	496	0.74	80	0.99	894	533
MV908KT100-4/0	4/0	19	0.48	0.74	80	0.99	1018	563	0.79	80	1.04	1056	601
MV908KT100-250	250	37	0.52	0.80	80	1.05	1163	625	0.85	80	1.10	1203	666
MV908KT100-300	300	37	0.57	0.85	80	1.10	1341	697	0.90	80	1.15	1383	739
MV908KT100-350	350	37	0.62	0.89	80	1.14	1519	766	0.94	80	1.19	1563	809
MV908KT100-400	400	37	0.66	0.93	80	1.19	1694	834	0.98	80	1.24	1739	879
MV908KT100-500	500	37	0.74	1.01	80	1.29	2066	991	1.06	80	1.34	2114	1039
MV908KT100-600	600	61	0.81	1.1	80	1.37	2419	1129	1.15	80	1.42	2470	1180
MV908KT100-750	750	61	0.91	1.19	80	1.47	2931	1318	1.24	80	1.52	2985	1372
MV908KT100-1000	1000	61	1.06	1.35	80	1.62	3780	1630	1.40	80	1.67	3838	1688

*Available in 100% and 133% Insulation Levels.

Cables that comply with 8 kV 100% can also be marked 5 kV 133%.