



MV-90 XLPE Insulated, PVC Jacketed 15 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 - 40kVShielded power cables

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

Temperature Rating

90°C- Normal Operating Temperature

Voltage Rating

15kV 100% and 133%

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.

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 (175 mil)		133% Insulation Levels (220 mil)		Approx Weight		
							Approx Weight		Nom. Diam. Over Insul.	Jacket Thickness	Appr. O.D. (in)	Approx Weight	
							Copper	Aluminum				Copper	Aluminum
MV9015KT100-2	2	7	0.27	0.65	80	0.91	549	406	0.74	80	1.00	615	472
MV9015KT100-1	1	19	0.30	0.68	80	0.94	618	438	0.77	80	1.03	686	506
MV9015KT100-1/0	1/0	19	0.34	0.72	80	0.97	707	480	0.81	80	1.06	776	549
MV9015KT100-2/0	2/0	19	0.38	0.76	80	1.01	814	528	0.85	80	1.10	886	600
MV9015KT100-3/0	3/0	19	0.42	0.81	80	1.06	948	587	0.90	80	1.15	1023	662
MV9015KT100-4/0	4/0	19	0.48	0.86	80	1.11	1113	658	0.95	80	1.20	1191	736
MV9015KT100-250	250	37	0.52	0.92	80	1.17	1262	725	1.01	80	1.28	1368	830
MV9015KT100-300	300	37	0.57	0.97	80	1.22	1445	800	1.06	80	1.33	1554	909
MV9015KT100-350	350	37	0.62	1.01	80	1.29	1651	897	1.10	80	1.38	1738	985
MV9015KT100-400	400	37	0.66	1.05	80	1.33	1830	970	1.14	80	1.42	1920	1060
MV9015KT100-500	500	37	0.74	1.13	80	1.41	2184	1109	1.22	80	1.50	2279	1203
MV9015KT100-600	600	61	0.81	1.22	80	1.49	2544	1253	1.31	80	1.58	2643	1353
MV9015KT100-750	750	61	0.91	1.31	80	1.59	3062	1449	1.40	110	1.74	3269	1656
MV9015KT100-1000	1000	61	1.06	1.47	110	1.80	4029	1879	1.56	110	1.92	4197	2047

*Available in 100% and 133% Insulation Levels.