MV-90 XLPE Insulated, PVC Jacketed 15 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
15kV 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

				100% Insulation Level (175 mil)					133% Insulation Levels (220 mil)				
Sycor Part No	AWG	Strands	Cond. Diam. (in)	Nom. Diam. Over Insulation	Jacket Thickness	Appr. O.D. (in)	Approx Weight		Nom. Diam. Over Insulation	Jacket Thickness	Appr. O.D. (in)	Approx Weight	
							Copper	Aluminum				Copper	Aluminum
MV9015KS100-2	2	7	0.27	0.65	80	0.94	524	382	0.74	80	1.03	583	441
MV9015KS100-1	1	19	0.30	0.68	80	0.97	591	412	0.77	80	1.06	652	472
MV9015KS100-1/0	1/0	19	0.34	0.72	80	1.01	677	450	0.81	80	1.10	740	513
MV9015KS100-2/0	2/0	19	0.38	0.76	80	1.05	781	495	0.85	80	1.14	847	561
MV9015KS100-3/0	3/0	19	0.42	0.81	80	1.10	912	551	0.90	80	1.19	980	619
MV9015KS100-4/0	4/0	19	0.48	0.86	80	1.15	1073	618	0.95	80	1.24	1144	689
MV9015KS100-250	250	37	0.52	0.92	80	1.20	1226	689	1.01	80	1.32	1323	785
MV9015KS100-300	300	37	0.57	0.67	80	1.25	1405	760	1.06	80	1.37	1505	861
MV9015KS100-350	350	37	0.62	1.01	80	1.32	1606	852	1.10	80	1.41	1687	933
MV9015KS100-400	400	37	0.66	1.05	80	1.37	1782	922	1.14	80	1.46	1865	1005
MV9015KS100-500	500	37	0.74	1.13	80	1.44	2130	1055	1.22	80	1.53	2218	1142
MV9015KS100-600	600	61	0.81	1.22	80	1.53	2491	1201	1.31	80	1.62	2584	1293
MV9015KS100-750	750	61	0.91	1.31	80	1.62	3003	1390	1.40	110	1.78	3205	1592
MV9015KS100-1000	1000	61	1.06	1.47	110	1.84	3960	1810	1.56	110	1.96	4118	1968

*Available in 100% and 133% Insulation Levels.

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