

5kV, 5kVU Type MV-90 XLP, WS, PVC

Construction

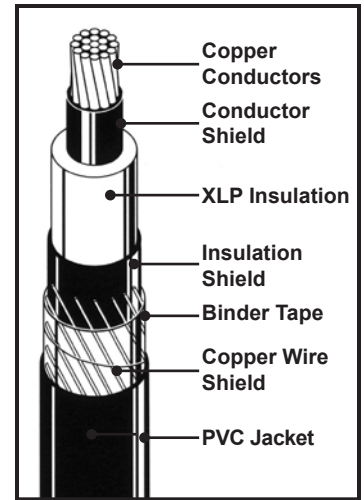
Single conductor XLP insulated, shielded, thermoplastic jacket power cable. Proven XLP insulation, 90°C continuous conductor operating temperature, fast stripping thermosetting insulation shield and it is triple extruded. Cable is sunlight resistant, suitable for direct burial.

Specifications

Manufactured and tested in accordance with the latest revisions of the following standards and specification:

- UL 1072 - Medium Voltage Power Cables
- ICEA S-93-639 (NEMA WC 74) - 5-46kV Shielded Power Cable for Use in the Transmission & Distribution of Electric Energy

Certified qualification tests were performed in accordance with the requirements of AEIC CS-8. Cable has fully met the qualification testing requirements of AEIC CS-8.



Applications

For use in aerial, direct burial, conduit and underground duct installations as permitted by the NEC®. These cables are capable of operating continuously at a conductor temperature not in excess of 90°C for normal operation, 130°C for emergency overload conditions and 250°C for short circuit conditions and are rated at 5kV, 100% (grounded system) and 133% insulation level (ungrounded system).

Size (AWG or kcmils)	Conductor Diameter (in)	Minimum Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs/M-ft)	Allowable Ampacity (amps)	
					Duct	Conduit in Air
1	.322	.055	.777	442	170	155
1/0	.362	.07	.848	546	195	180
2/0	.405	.07	.888	646	220	205
3/0	.456	.07	.938	772	250	240
4/0	.512	.07	.993	926	290	280
250	.558	.07	1.048	1,065	320	315
350	.661	.07	1.153	1,412	385	385
500	.790	.07	1.278	1,920	470	475
750	.968	.07	1.465	2,759	585	600
1,000	1.117	.07	1.610	3,579	670	690

Information based on Southwire specs.

See referenced page in the Hardware & Supplies section:

Suggested Prep Tool

- WS 5 End Stripper - I-9