

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

Construction

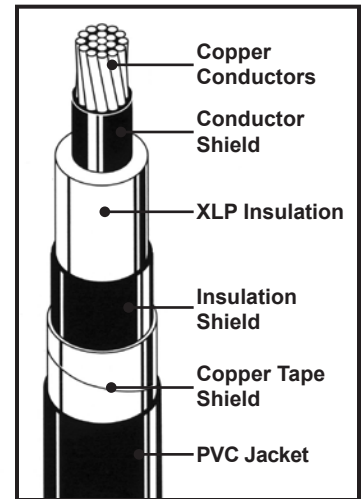
Single conductor XLP insulated, shielded, thermoplastic jacket power cable. Proven XLP insulation, 90°C continuous conductor operating temperature, 100% copper tape shield coverage, fast stripping thermosetting insulation shield and it is triple extruded. Cable is sunlight resistant, suitable for direct burial. Also available listed for cable tray use in sizes 250 kcmils and larger upon request.

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) - 5-46 kV 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	
					Duct	Conduit in Air
4	.225	.055	.654	309	110	97
2	.283	.055	.709	406	145	130
1	.322	.055	.749	474	170	155
1/0	.362	.055	.789	557	195	180
2/0	.405	.070	.860	681	220	205
3/0	.456	.070	.910	809	250	240
4/0	.512	.070	.965	968	290	280
250	.558	.070	1.020	1,108	320	315
350	.661	.070	1.125	1,462	385	385
500	.790	.070	1.250	1,977	470	475
750	.968	.070	1.437	2,826	585	600
1,000	1.117	.070	1.582	3,654	670	690

Information based on Southwire specs.

See referenced page in the Hardware & Supplies section:

Suggested Prep Tool

- WS 5 End Stripper - I-9