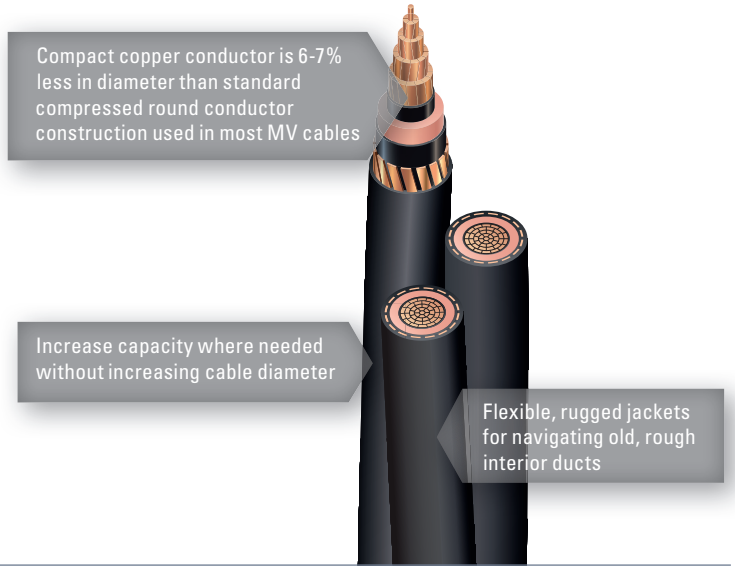
DensFlex® MV

What happens when we think small

DensFlex® MV cable is Southwire's compact solution for cable replacement in aging urban environments. Ideal for PILC replacements, DensFlex MV cable is specifically engineered to meet your needs. Usher in modern cable technology to your existing duct infrastructure with increased efficiencies and lower losses.



Custom Engineered to Your Specifications

- Low-loss EPR insulation with reduced wall option
- Standard LLDPE, HDPE or PP jacketing provides durability
- With Powerglide™ option, pulling tensions are significantly reduced with no additional pulling lube
- Four metallic shield configurations available
- Triplex or paralleled construction

Keep Cost Down with DensFlex® MV Cable

- Constructed to fit into existing ducts, so no new infrastructure is needed
- Longer pulls resulting in fewer overall splices, reducing installation time and labor cost
- No special installation equipment or knowledge needed

Southwire®

Technical Specifications

DensFlex® MV

Construction

- DensFlex® MV cable is composed of a moisture-blocked, compact-stranded, annealed (soft drawn) copper conductor, covered by a semiconducting cross-linked strand shield, low-loss ethylene propylene rubber (EPR) primary insulation, and a semiconducting cross-linked insulation shield.
- The metallic shield is annealed bare copper flat straps which are encapsulated in an insulating linear-low-density polyethylene jacket.
- The option of a Powerglide® cable jacket allows for installation without the need for additional pulling lube.
- The cable is identified by surface print on the jacket and the lightning bolt symbol for supply cables indented in the jacket. Three extruded red stripes are available.

DensFlex® MV — PILC Replacement Cable

Phase Conductor		Flat Strap			Thickness Per Cond. (mils)			Normal Diameter (mils)					
Size (AWG or kcmil)	Stranding	No. of Straps	Thickness (mils)	Width (mils)	Approx. Insul.	Insul. Shield min. Point	Approx. Jkt	Bare Phase Cond.	Over Insul.	Over Insul. Shield	Comp. Cable	Weight lbs/1000 feet	Allowable Ampacities* in Ducts
15 kV													
4/0	18	12	25	150	175	24	50	475	870	940	1090	1161	315
350	35	14	25	150	175	24	50	616	1023	1090	1243	1686	425
500	35	14	25	150	175	24	50	736	1143	1210	1363	2208	515
750	58	17	25	150	175	24	50	908	1323	1390	1543	3126	670
1000	58	18	25	150	175	24	50	1060	1473	1540	1693	3991	725
25 kV													
4/0	18	12	25	150	260	24	50	475	1035	1105	1255	1306	315
350	35	14	25	150	260	24	50	616	1185	1255	1405	1848	425
500	35	14	25	150	260	24	50	736	1305	1375	1525	2385	515
750	58	17	25	150	260	24	50	908	1488	1555	1708	3332	670
1000	58	18	25	150	260	24	50	1060	1638	1705	1858	4216	725
35 kV													
4/0	18	12	25	150	345	24	50	475	1210	1280	1430	1484	315
350	35	14	25	150	345	24	50	616	1360	1430	1580	2047	425
500	35	14	25	150	345	24	50	736	1480	1550	1700	2601	515
750	58	17	25	150	345	24	50	908	1660	1730	1880	3569	670
1000	58	18	25	150	345	24	50	1060	1813	1880	2033	4480	725

*Ampacities shown assume use of 100% load factor, 60 Hz current, 36" burial depth, 20°C ambient temperature, 105°C conductor temperature, earth RHO 90.