

15kV-25kV-35kV-46kV Multi-layer Covered Aerial MV Cable

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

Construction

Conductors are concentrically stranded, 1350-H19 aluminum (either compressed or full compact depending on conductor size). Available with inner layer of natural PE or XLPE and an outer layer of high-density track-resistant polyethylene (HDTRPE) or Track-Resistant Crosslinked Polyethylene (XLPE) covering. Strand shield option available as shown in illustration.

Application

Used for primary and secondary overhead distribution where limited space is available or desirable for rights of way. Installed as an uninsulated conductor; however, covering is effective in preventing direct shorts and instantaneous flashovers should tree limbs or other objects contact conductors in such close proximity. Installed with other Covered Aerial MV cables and a supporting messenger through a series of space-maintaining devices (spacers). The resulting close-proximity configuration minimizes the amount of space and hardware required for line installation; particularly useful in congested areas such as alleyways or tight corridors.

Specification

Southwire's 15kV – 46kV Covered Aerial MV cable meets or exceeds all applicable ICEA specifications and the following ASTM specifications:

ASTM B230
ASTM B231
ASTM B400



2 Layer Covered Aerial MV



3 Layer Covered Aerial MV



15kV (For Non-Treed Areas)

SSC15-IB



SSC15-IG



2-Layer 15kV Covered Aerial MV Cable

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)		Cable O.D. (mils)	Weight per 1000 ft. (lbs)
			Inner Layer	Outer Layer		
4	7	225*	75	75	525	114
2	7	283*	75	75	583	150
1/0	7	336	75	75	636	196
2/0	7	376	75	75	676	230
3/0	7	423	75	75	723	272
4/0	7	475	75	75	775	325
266.8	19	537	75	75	837	387
336.4	19	603	75	75	903	466
397.5	19	659	75	75	959	535
477	19	722	75	75	1022	623
556.5	37	780	75	75	1080	708
636	37	835	75	75	1135	794
795	37	932	80	80	1252	980

* Compressed stranding

15kV TP (For Treed Areas)

SSC15-TPB



SSC15-TPG



3-Layer 15kV Covered Aerial MV Cable

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer		
4	7	225*	15	75	75	555	125
2	7	283*	15	75	75	613	161
1/0	7	336	15	75	75	666	210
2/0	7	376	15	75	75	706	246
3/0	7	423	15	75	75	753	289
4/0	7	475	15	75	75	805	343
266.8	19	537	15	75	75	867	406
336.4	19	603	15	75	75	933	487
397.5	19	659	15	75	75	989	558
477	19	722	15	75	75	1052	647
556.5	37	780	15	75	75	1110	734
636	37	835	20	80	80	1195	846
795	37	932	20	80	80	1292	1020

* Compressed stranding

25kV

SSC25-IB



SSC25-IG



3-Layer 25kV Covered Aerial MV Cable

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer		
2	7	283	15	125	125	813	253
1/0	7	336	15	125	125	866	309
2/0	7	376	15	125	125	906	350
3/0	7	423	15	125	125	953	400
4/0	7	475	15	125	125	1005	460
266.8	19	537	15	125	125	1067	531
336.4	19	603	15	125	125	1133	621
397.5	19	659	15	125	125	1189	698
477	19	722	20	125	125	1262	806
556.5	37	780	20	125	125	1320	899
636	37	835	20	125	125	1375	995
795	37	932	20	125	125	1472	1181

35kV

SSC35-IB



SSC35-IG



3-Layer 35kV Covered Aerial MV Cable

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer		
1/0	7	336	15	175	125	966	368
2/0	7	376	15	175	125	1006	411
3/0	7	423	15	175	125	1053	464
4/0	7	475	15	175	125	1105	527
266.8	19	537	15	175	125	1167	603
336.4	19	603	15	175	125	1233	696
397.5	19	659	15	175	125	1289	777
477	19	722	20	175	125	1362	889
556.5	37	780	20	175	125	1420	987
636	37	835	20	175	125	1475	1085
795	37	932	20	175	125	1572	1278

46kV

SSC46-IB



SSC46-IG



3-Layer 46kV Covered Aerial MV Cable

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer		
1/0	7	336	15	225	175	1166	506
2/0	7	376	15	225	175	1206	554
3/0	7	423	15	225	175	1253	613
4/0	7	475	15	225	175	1305	683
266.8	19	537	15	225	175	1367	767
336.4	19	603	15	225	175	1433	869
397.5	19	659	15	225	176	1489	957
477	19	722	20	225	175	1562	1078
556.5	37	780	20	225	175	1620	1183
636	37	835	20	225	175	1675	1289
795	37	932	20	225	175	1772	1494