

# 35kV & 46kV Covered Aerial MV (CAMV)

## CONSTRUCTION AT A GLANCE

**CONDUCTOR TYPE** ①  
ALUMINUM

**INNER COVERING  
TYPE** ②  
PE/XLPE

**OUTER COVERING  
TYPE** ③  
HDTRPE/XLPE

## APPLICATIONS

- 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.
- Used as an overhead collection system when underground may not be an option

## CONSTRUCTION DETAILS

- 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
- Available in gray or black

## SPECIFICATIONS

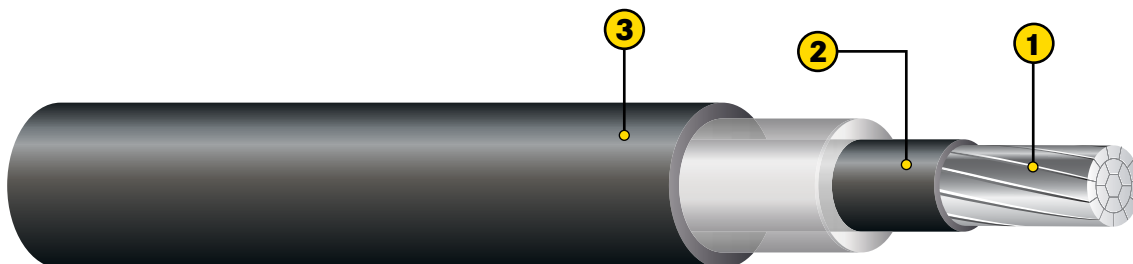
Southwire's 35kV & 46kV Covered Aerial MV cable meets the following ASTM specifications:

- B 230: Aluminum, 1350-H19 Wire for Electrical Purposes
- B 231: Aluminum 1350 Conductors, Concentric-Lay-Stranded
- B 400: Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors

## OPTIONS

Full line of hardware and accessories available, including:

- 46kV ratchet lock spacer
- 24" tangent "L" bracket
- 35kV pin type insulator
- 35kV vise-top insulator
- 35kV corner "C" bracket
- Dead end bracket
- 24" anti-sway bracket
- Messenger options



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
954	37	1032	20	175	125	1672	1471

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	175	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

