



## Contact Us:

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## IEC BS EN 50397 Standard MV 15KV 25kv

## 35kv Overhead Covered Conductor,

## Aerial MV Cable. Tree Wire. One Layer



### Construction

AAC (1350-H19), AAAC or ACSR conductors, concentrically stranded. Available with black or gray track-resistant, high-density polyethylene (HD) or black track-resistant crosslinked polyethylene (XLP) covering.

### Application

Used for primary and secondary overhead distribution where limited space is available or desired for rights-of-way. Installed the same as bare conductors, however, covering is effective in preventing direct shorts and instantaneous flash overs should tree limbs or other objects contact conductors in such close proximity.

**Tree Wire** - Used for spans where trees crowd the right-of-way, such as in wooded residential areas, when a minimum of interference with the environment is desired. Covering minimizes power outages due to conductor contact with tree limbs, reducing the need for frequent or severe trimming.

**Covered Aerial MV Cable** - 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.

**Spacer Cable** - Installed with other spacer 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.

### 15kv

Cross section	No. of wires	Conductor dia.	Overall Diameter	Minimum breaking load	Approx. weight	Max. DC-resistance at 20°C	Ampacity 90°C
[mm <sup>2</sup> ]		[mm]	[mm]	[kgf]	[kg/km]	[Ohm/km]	[A]
35	7	7.1	13.6	464	190	0.868	187
50	7	8.2	14.7	663	235	0.641	225
70	19	9.7	16.2	928	315	0.443	282
95	19	11.5	18	1259	400	0.32	345



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120	19	12.9	19.4	1591	500	0.253	401
150	19	14.2	20.7	1988	580	0.206	456
185	37	16.2	22.6	2452	695	0.164	525
240	37	18.4	24.9	3182	875	0.125	625
300	37	20.7	27.1	3977	1070	0.1	721

### 25kv

Cross section	No. of wires	Conductor dia.	Overall Diameter	Minimum breaking load	Approx. weight	Max. DC-resistance at 20°C	Ampacity 90°C
[mm <sup>2</sup> ]		[mm]	[mm]	[kgf]	[kg/km]	[Ohm/km]	[A]
35	7	7.1	15.7	464	235	0.868	186
50	7	8.2	16.8	663	305	0.641	224
70	19	9.7	18.3	928	370	0.443	280
95	19	11.5	20.1	1259	460	0.32	343
120	19	12.9	21.5	1591	560	0.253	397
150	19	14.2	22.8	1988	650	0.206	450
185	37	16.2	24.8	2452	770	0.164	519
240	37	18.4	27	3182	960	0.125	617
300	37	20.7	29.3	3977	1155	0.1	712

### 35kv

Cross section	No. of wires	Conductor dia.	Overall Diameter	Minimum breaking load	Approx. weight	Max. DC-resistance at 20°C	Ampacity 90°C
[mm <sup>2</sup> ]		[mm]	[mm]	[kgf]	[kg/km]	[Ohm/km]	[A]
70	19	9.7	25.7	928	620	0.443	270
95	19	11.5	27.5	1259	732	0.32	329
120	19	12.9	28.9	1591	830	0.253	381
150	19	14.2	30.2	1988	937	0.206	432
185	37	16.2	32.2	2452	1083	0.164	497
240	37	18.4	34.4	3182	1290	0.125	589
300	37	20.7	36.7	3977	1502	0.1	674