

# 190/345 (362) kV HV POWER CABLE

## Aluminum Sheath



### Construction

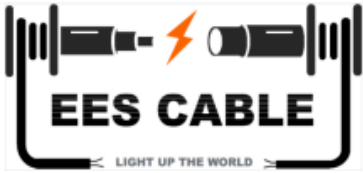
- Copper Conductor    ■ XLPE Insulation
- Aluminum Sheath    ■ PE (or PVC) Outer Sheath

### Continuous Current Ratings for Single Circuit (A)

Cross-Sectional Area (mm <sup>2</sup> )	Direct Buried	Pipe Duct	In Air	
			Trefoil	Flat (S=2D)
630	832	822	976	1092
800	928	917	1095	1239
1000	1072	1060	1284	1467
1200	1149	1136	1383	1595
1600	1299	1325	1577	1859
2000	1419	1446	1726	2089
2500	1491	1519	1814	2195

## Constructional Data (Nominal Values)

Conductor			Thickness of Conductor Screen Approx.	Thickness of Insulation	Thickness of Insulation Screen Approx.	Thickness of Aluminum Sheath	Thickness of Outer Sheath	Outer Diameter of Cable	Weight of Cable	Max. DC Conductor Resistance at 20°C	Capacitance
Cross-Sectional Area	Shape	Diameter									
mm <sup>2</sup>		mm	mm	mm	mm	mm	mm	mm	kg / m	Ω / km	μF / km
630	Compact Round	30.2	1.5	27.0	1.3	2.5	6	124	16.5	0.0283	0.15
800	Stranded	34.0	1.5	27.0	1.3	2.6	6	128	18.7	0.0221	0.16
1000	Segment Stranded (Miliken)	38.7	1.5	27.0	1.3	2.7	6	134	21.6	0.0176	0.18
1200		41.8	1.5	27.0	1.3	2.8	6	137	23.8	0.0151	0.19
1600		48.1	1.5	27.0	1.3	2.9	6	144	28.4	0.0113	0.20
2000		54.3	1.5	27.0	1.3	3.0	6	150	33.1	0.0090	0.22
2500		63.0	1.5	27.0	1.3	3.2	6	160	40.5	0.0072	0.24



# 190/345 (362) kV HV POWER CABLE

## Lead Sheath



**Construction**

- Copper Conductor
- XLPE Insulation
- Lead Sheath
- PE (or PVC) Outer Sheath

**Continuous Current Ratings for Single Circuit (A)**

Cross-Sectional Area (mm <sup>2</sup> )	Direct Buried	Pipe Duct	In Air	
			Trefoil	Flat (S=2D)
630	862	828	1032	1141
800	970	936	1173	1305
1000	1133	1107	1399	1561
1200	1222	1193	1520	1706
1600	1400	1364	1764	2009
2000	1541	1540	1961	2270
2500	1619	1618	2061	2385

## Constructional Data (Nominal Values)

Cross-Sectional Area	Conductor		Thickness of Conductor Screen Approx.	Thickness of Insulation	Thickness of Insulation Screen Approx.	Thickness of Lead Sheath	Thickness of Outer Sheath	Outer Diameter of Cable	Weight of Cable	Max. DC Conductor Resistance at 20°C	Capacitance
	Shape	Diameter									
mm <sup>2</sup>		mm	mm	mm	mm	mm	mm	mm	kg / m	Ω / km	μF / km
630	Compact Round	30.2	1.5	27.0	1.3	3.4	6.0	113	23.5	0.0283	0.15
800	Stranded	34.0	1.5	27.0	1.3	3.5	6.0	118	27.3	0.0221	0.16
1000	Segment Stranded (Miliken)	38.7	1.5	27.0	1.3	3.6	6.0	123	30.7	0.0176	0.18
1200		41.8	1.5	27.0	1.3	3.8	6.0	127	33.8	0.0151	0.19
1600		48.1	1.5	27.0	1.3	4.0	6.0	133	40.3	0.0113	0.20
2000		54.3	1.5	27.0	1.3	4.2	6.0	140	46.7	0.0090	0.22
2500		63.0	1.5	27.0	1.3	4.4	6.0	148	55.3	0.0072	0.24