190/330 (362) kV

XLPE Insulated with Cu Wire +Lead Sheath

Continuous Current Rating for Single Circuit (A)

COPPER CONDUCTOR

Cross-Sectional Area (mm^2)		800	1000	1200	1600	2000	2500
Direct Buried		1018	1135	1306	1457	1607	1758
Pipe		1008	1127	1299	1454	1608	1767
In Air	Trefoil	1171	1316	1548	1747	1947	2151
	Flat (S=3D)	1412	1608	1876	2130	2403	2679

HDPE pipe diameter = 2D

ALUMINIUM CONDUCTOR

Cross-Sectional Area (mm^2)		800	1000	1200	1600	2000	2500
Direct Buried		814	918	1032	1185	1322	1459
Pipe		806	911	1026	1183	1323	1466
In Air	Trefoil	943	1071	1227	1429	1614	1804
	Flat (S=3D)	1131	1299	1479	1732	1974	2221

HDPE pipe diameter = 2D

CONDUCTOR (Cu)	Cross-Sectional Area (mm^2)	800	1000	1200	1600	2000	2500
	Shape	Circular	Circular	Segmentalled	Segmentalled	Segmentalled	Segmentalled
	Diameter (mm)	34	39	43,5	49,5	56	63,5
Thickness of Conductor Screen (mm)		1,2	1,4	1,4	1,5	1,6	1,6
Thickness of Insulation (mm)		28	27	27	27	26	26
Thickness of Insulation Screen (mm)		1,2	1,2	1,2	1,2	1,2	1,2
Cu-Screen Cross-Sectional Area (mm^2)		185	185	185	185	185	185
Thickness of Lead Sheath (mm)		2,8	2,9	3	3,2	3,2	3,2
Thickness of Outer Sheath (mm)		4,5	4,5	4,7	4,9	5,2	5,5
Outer Diameter of Cable (mm)		116	120	126	133	141	147
Weight of Cable (kg/m)		27,3	30,2	33,6	39,3	44,6	51
Max. DC Cu Conductor Resistance at 20°C (ohm/km)		0,0221	0,0176	0,0151	0,0113	0,009	0,0072
Capacitance (microfarad/km)		0,138	0,155	0,168	0,183	0,206	0,227
Inductance (mH/km)		0,432	0,411	0,399	0,373	0,367	0,355

CONDUCTOR (Al)	Cross-Sectional Area (mm^2)	800	1000	1200	1600	2000	2500
	Shape	Circular	Circular	Segmentalled	Segmentalled	Segmentalled	Segmentalled
	Diameter (mm)	34,8	39	43,5	50,2	56	63,5
Max. DC Al Conductor Resistance at 20°C (ohm/km)		0,0367	0,0291	0,0247	0,0186	0,0149	0,0127
Weight of Cable (kg/m)		22,9	23,7	26,1	29,8	31,7	35,3