

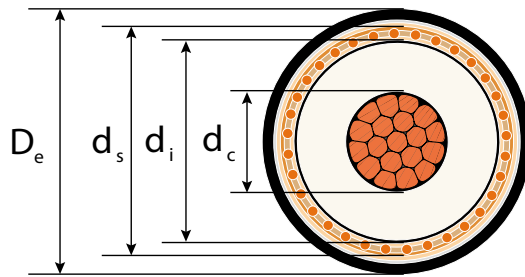
HV XLPE CABLE WITH COPPER WIRES SCREEN AND ALUMINIUM LAMINATED FOIL

220/380 ÷ 400 (420) kV

XRUHKXS according to ZN-TF-530

2XS(FL)2Y according to IEC 62067

COPPER CONDUCTOR



Cross section of conductor	Diameter of conductor	Insulation		Metallic screen		D_e Outer diameter of cable	Cable weight	Maximum pulling force	Minimal bending radius
		Nominal thickness	Diameter over insulation	Cross section	Diameter over screen				
mm^2		mm		mm^2	mm	mm	kg/km	kN	m
630RM	$30.3^{+0.40}$	32.0	98.5	150	105.7	117	16110	31.5	2.9
800RM	$34.7^{+0.40}$	31.0	100.9	150	108.1	120	17860	40.0	3.0
1000RM	$38.3^{+0.40}$	30.0	102.5	150	109.7	121	19850	50.0	3.0
1200RMS	$41.6^{+0.80}$	28.0	101.8	150	109.0	121	21290	60.0	3.0
1400RMS	$45.8^{+0.80}$	27.0	104.0	150	111.2	123	23030	70.0	3.1
1600RMS	$49.6^{+1.2}$	27.0	107.8	150	115.0	127	25480	80.0	3.2
1800RMS	$53.2^{+1.0}$	27.0	111.4	150	118.6	131	28050	90.0	3.3
2000RMS	$54.6^{+1.0}$	27.0	112.8	150	120.0	132	29690	100.0	3.3
2500RMS	$60.0^{+1.0}$	27.0	119.2	150	126.4	139	34970	100.0	3.5
3000RMS	$68.4^{+1.0}$	27.0	127.6	150	134.8	148	41770	100.0	3.7

HV XLPE CABLE WITH COPPER WIRES SCREEN AND ALUMINIUM LAMINATED FOIL

220/380 ÷ 400 (420) kV

Electrical data

D_e – Cable diameter

Cables in flat formation, the distance between the cable axes = $2 \times D_e$



Cables in trefoil formation, the distance between the cable axes = D_e



Cross section of conductor	Resistance of conductor 90°C	Electrical field stress at the		Capacitance	Zero reactance	Inductance	
		conductor	insulation screen				
mm ²	Ω/km	kV/mm		μF/km	Ω/km	Ω/km	
630RM	0.0395	12.20	4.30	0.130	0.096	0.205	0.150
800RM	0.0325	11.90	4.60	0.140	0.089	0.200	0.140
1000RM	0.0275	11.80	4.90	0.155	0.083	0.195	0.135
1200RMS	0.0222	12.05	5.45	0.170	0.078	0.190	0.130
1400RMS	0.0198	12.05	5.80	0.185	0.073	0.185	0.125
1600RMS	0.0182	11.80	5.90	0.195	0.070	0.180	0.120
1800RMS	0.0169	11.60	6.00	0.205	0.068	0.175	0.120
2000RMS	0.0158	11.50	6.00	0.210	0.067	0.175	0.120
2500RMS	0.0140	11.20	6.15	0.225	0.064	0.175	0.115
3000RMS	0.0126	10.90	6.30	0.245	0.060	0.170	0.110