



TXSI 12/20(24)kV

ABOVE GROUND: TXSI 12/20(24)kV, Black, Type P120**DIMENSION DATA**

DRAKA NORSK KABEL no.	Type mm ²	Diameter copper conductor mm	Insulation thickness mm	Diameter over insulation screen mmØ	Diameter overall, mmØ	Cable weight, approx. kg/km	Copper content, approx. kg/km
850736	1x 150/25	14,1±0,5	5,5	27,2±1,5	37,0±2,0	2320	1510
850737	1x 185/35	15,7±0,8	5,5	28,8±1,5	38,5±2,0	2820	1930
850738	1x 240/35	18,0±0,8	5,5	31,1±2,0	41,0±2,5	3400	2440
850739	1x 300/35	20,5±1,0	5,5	34,5±2,0	44,5±2,5	4090	2990
850740	1x 400/35	22,8±1,0	5,5	36,8±2,0	47,5±2,5	4950	3730
870741	1x 500/50	26,4±1,0	5,5	40,4±2,0	51,0±3,0	6050	4690
850742	1x 630/50	30,7±1,5	5,5	45,1±2,0	56,0±3,0	7700	6110
850760	3x 50/25	8,0±0,3	5,5	21,1±1,0	57,0±3,0	3130	1480
	3 x 70/35	9,6±0,3	5,5	22,7±1,0	60,5±3,5	3950	2115
850761	3x 95/50	11,2±0,5	5,5	24,3±1,5	64,0±3,5	4920	2910
850762	3x 120/70	12,8±0,5	5,5	25,9±1,5	69,0±3,5	6050	3750
850763	3x 150/70	14,1±0,5	5,5	27,2±1,5	71,0±4,0	6850	4445
850764	3x 185/95	15,7±0,8	5,5	28,8±1,5	75,5±4,0	8400	5780
850765	3x 240/120	18,0±0,8	5,5	31,1±2,0	82,0±4,5	10400	7440

ELECTRICAL DATA

No. of cores and cond. area mm ²	Resistance at 20°C ohm/km	Reactance at 50 / 60 Hz ohm/km	Capacitance per phase µF / km	Current rating at 15°C ampere	Short circuit rating 1.sec ampere
1x 150/25	0,124	0,120 / 0,144	0,254	480*	21400
1x 185/35	0,0991	0,116 / 0,139	0,274	545*	26400
1x 240/35	0,0754	0,111 / 0,133	0,304	640*	34300
1x 300/35	0,0601	0,108 / 0,130	0,348	730*	42900
1x 400/35	0,0470	0,105 / 0,126	0,377	870*	57100
1x 500/50	0,0366	0,101 / 0,121	0,423	985*	71400
1x 630/50	0,0283	0,097 / 0,116	0,483	1115*	90000
3x 50/25	0,387	0,114 / 0,136	0,174	205	7140
3x 70/35	0,268	0,107 / 0,129	0,280	250	10000
3x 95/50	0,193	0,107 / 0,129	0,216	295	13600
3x 120/70	0,153	0,102 / 0,123	0,236	340	17100
3x 150/70	0,124	0,098 / 0,118	0,254	390	21400
3x 185/95	0,0991	0,093 / 0,111	0,274	435	26400
3x 240/120	0,0754	0,089 / 0,107	0,304	515	34300

Current rating are in acc. with NEN 62.75 and the conditions therein.

* Single core cables in trefoil formation



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INSTALLATION DATA

Type mm ²	Overall diameter mmØ	Minimum during installation mmØ	bending radius fixed installed mmØ	Max pulling tension N
		15xD	12xD	
1x 150/25	37,0±2,0	555	444	15000
1x 185/35	38,5±2,0	578	462	18500
1x 240/35	41,0±2,5	615	492	24000
1x 300/35	44,5±2,5	668	534	30000
1x 400/35	47,5±2,5	713	570	40000
1x 500/50	51,0±3,0	765	612	50000
1x 630/50	56,0±3,0	840	672	63000
3x 50/25	57,0±3,0	855	684	15000
3x 70/35	60,5±3,5	908	726	21000
3x 95/50	64,0±3,5	960	768	28500
3x 120/70	69,0±3,5	1035	828	36000
3x 150/70	71,0±4,0	1065	852	45000
3x 185/95	75,5±4,0	1133	906	55500
3x 240/120	82,0±4,5	1230	984	72000



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CABLE DRAWING: TXSI 12/20(24)kV

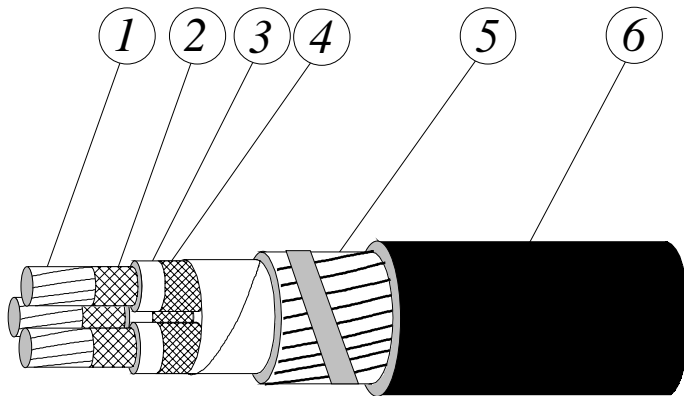
Cable type P120

Construction according to IEC 60502-2

Max. operating temperature 90°C

Test voltage 30 kV ac for 5 minutes

Flame retardant according to IEC 332-1



Cable drawing for indication only

1. Conductor, stranded circular compacted copper
2. Conductor screen, semiconductive material, black colour
3. Insulation, crosslinked polyethylene XLPE (T)
4. Insulation screen, semiconductive material, black colour
5. Screen, concentric copper conductor (S)
6. Sheath, Black flame retardant halogen-free thermoplastic compound (I)

Marking to be printed on the sheath: (example)

"meter" "year" DRAKA NORSK KABEL TXSI 12/20(24)kV 3 x 120 / 70 mm² P120

Core identification: White insulation with black semi-conductive layers