PetroBlock TSLP 6/10(12)kV MV Power cable

UNDER GROUND: TSLP 6/10(12)kV, Black, Type P141

DIMENSION DATA

DRAKA NORSK KABEL no.	Type mm²	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
851406	1x 150/25	14,1±0,5	3,4	23,0±1,0	35,5±2,0	2300	1505
851407	1x 185/35	15,7±0,8	3,4	24,6±1,3	38,0±2,0	2800	1930
851408	1x 240/35	18,0±0,8	3,4	26,9±1,3	41,0±2,0	3400	2440
851409	1x 300/35	20,5±1,0	3,4	30,3±1,5	44,5±2,5	4090	2985
851410	1x 400/35	22,8±1,0	3,4	32,6±1,5	47,0±2,5	4960	3755
851411	1x 500/50	26,4±1,0	3,4	36,2±1,5	50,5±3,0	6090	4740
851412	1x 630/50	30,7±1,5	3,4	40,5±1,5	55,0±3,0	7630	6110
851422	3x 50/25	8,0±0,3	3,4	16,9±0,8	50,0±3,0	2860	1475
851423	3x 70/35	9,6±0,3	3,4	18,5±0,8	55,0±3,0	3800	2225
851424	3x 95/50	11,2±0,5	3,4	20,1±1,0	58,5±3,0	4660	2935
851425	3x 120/70	12,8±0,5	3,4	21,7±1,0	62,0±3,5	5750	3835
851426	3x 150/70	14,1±0,5	3,4	23,0±1,0	65,0±3,5	6580	4530
851427	3x 185/95	15,7±0,8	3,4	24,6±1,3	69,0±3,5	8060	5805
851428	3x 240/120	18,0±0,8	3,4	26,9±1,3	75,0±4,0	9980	7465

ELECTRICAL DATA

No. of cores and cond. area mm²	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 curciut rating 1.sec ampere
1x 150/25	0,124	0,117 / 0,141	0,374	450*	21400
1x 185/35	0,0991	0,114 / 0,137	0,407	500*	26400
1x 240/35	0,0754	0,109 / 0,130	0,454	570*	34300
1x 300/35	0,0601	0,107 / 0,128	0,524	640*	42900
1x 400/35	0,0470	0,103 / 0,124	0,571	735*	57100
1x 500/50	0,0366	0,099 / 0,119	0,645	815*	71400
1x 630/50	0,0283	0,095 / 0,114	0,733	890*	90000
3x 50/25	0,387	0,098 / 0,117	0,247	215	7140
3x 70/35	0,268	0,093 / 0,111	0,28	260	10000
3x 95/50	0,193	0,089 / 0,107	0,314	310	13600
3x 120/70	0,153	0,086 / 0,103	0,346	350	17100
3x 150/70	0,124	0,084 / 0,101	0,374	400	21400
3x 185/95	0,0991	0,082 / 0,098	0,407	440	26400
3x 240/120	0,0754	0,079 / 0,095	0,454	510	34300

Current rating are in acc. with NEN 62.75 and the conditions therein
* Single core cables in trefoil formation
Thermal resistivity in ground: 1,0°C m/W

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INSTALLATION DATA

Type mm²	Overall diameter mmØ	Minimum during installation mmØ	bending radius fixed installed mmØ	Max pulling tension N
		20xD	**15xD**	
1x 150/25	35,5±2,0	710	533	15000
1x 185/35	38,0±2,0	760	570	18500
1x 240/35	41,0±2,0	820	615	24000
1x 300/35	44,5±2,5	890	668	30000
1x 400/35	47,0±2,5	940	705	40000
1x 500/50	50,5±3,0	1010	758	50000
1x 630/50	55,0±3,0	1100	825	63000
3x 50/25	50,0±3,0	1000	750	15000
3x 70/35	55,0±3,0	1100	825	21000
3x 95/50	58,5±3,0	1170	878	28500
3x 120/70	62,0±3,5	1240	930	36000
3x 150/70	65,0±3,5	1300	975	45000
3x 185/95	69,0±3,5	1380	1035	55500
3x 240/120	75,0±4,0	1500	1125	72000

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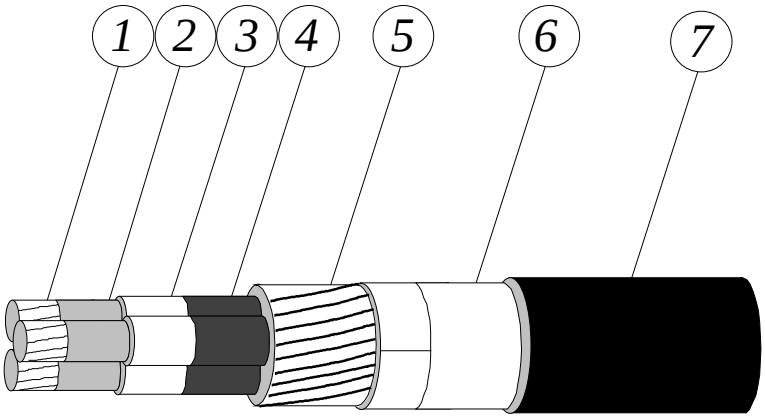
CABLE DRAWING: TSLP 6/10(12)kV

Cable type P141

Construction according to IEC 60502-2 and DRAKA NORSK KABEL (moisture barrier)
Max. operating temperature 90°C
Test voltage 15 kV ac for 5 minutes
Flame retardant according to IEC 60332-1



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. Moisture barrier, Aluminium foil / Polyamide sheath (L)
7. Sheath, black PVC (P)

Marking to be printed on the sheath: (example)

"meter" "year" DRAKA NORSK KABEL TSLP 6/10(12)kV 1 x 240 / 35 mm² P141

Core identification: White insulation with black semi-conductive layers