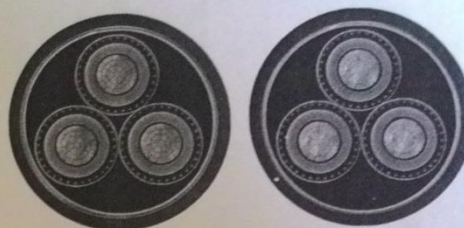


SUPREME

**MEDIUM VOLTAGE
POWER CABLES**



N2XSEBY/NA2XSEYBY

12/20(24) kV

SPLN 43-5/IEC 60502-2

Copper/Aluminium conductor, XLPE insulated,
with or without water sealing,
Copper wire/tape screened,
Galvanized double steel tape armoured,
PVC sheathed cable

DIMENSIONAL AND ELECTRICAL DATA

3 CORES

Nominal cross-sectional area		mm ²	35	50	70	95	120	150	185	240	300	400
Conductor diameter (approx)		mm	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.2	20.9	23.7
Nominal insulation thickness		mm	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx)		mm	19.7	20.9	22.5	24.3	25.7	26.9	28.9	31.3	33.5	36.3
Nominal tape armour thickness		mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
Nominal outer sheath thickness		mm	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.8	4.0
Overall cable diameter (approx)		mm	57	60	64	68	71	74	79	86	91	98
Cable net weight (approx)	CU	Kg/Km	4,900	5,600	6,600	7,800	8,900	10,100	11,700	14,900	17,400	20,800
	AL	Kg/Km	4,200	4,700	5,300	6,000	6,600	7,200	8,200	10,200	11,600	13,400
Standard length per reel		m	500	500	500	500	350	350	350	300	300	300
Minimum bending radius		mm	480	510	550	600	630	660	720	790	840	910
Max. DC conductor resistance at 20 °C	CU	Ω/Km	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470
	AL	Ω/Km	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778
Min. insulation resistance at 20 °C		MΩ.Km	1,400	1,300	1,100	1,000	900	900	800	700	700	600
Capacitance per phase		μF/Km	0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294	0.326
Inductance per phase		mH/km	0.377	0.362	0.344	0.328	0.318	0.310	0.300	0.289	0.281	0.273
Max. short circuit current of conductor	CU	kA/sec	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79
	AL	kA/sec	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14
Max. short circuit current of screen			2.77	2.92	3.14	3.38	3.57	4.66	3.99	4.31	4.60	6.21
Maximum current carrying	CU	A	173	206	257	313	360	410	469	553	629	760
	AL	A	139	161	199	242	280	318	365	425	481	593
capacity at 30 °C	CU		171	202	246	295	335	376	425	492	554	625
	AL		132	154	191	228	260	292	331	385	437	495
AC test voltage		kV/5 min	42 (IEC) , 30(SPLN)									