Obiekt: **Wydział Chemii P. G.** 07.2008r

OBLICZENIA I DOBÓR ZABEZPIECZEŃ KABLI I PRZEWODÓW

Tabela nr,1

Lp	Nazwa odbioru	Moc zainst.	współ. zapotrz	Współ. mocy	Moc obliczen.	Prąd oblicz.	Prąd znamion bezpiecz.	Zabezp.		Kabel lub Przewód				Dobór kabla			Długość linii	Spadek napięcia	
										Typ linii zasilającej	Idopusz. długotrw.	wsp.		warunek: I2<[A]	<	Izx1,45		Ps x Lśr	dU
		Pi [kW]	kz	cos fi	Ps [kW]	IB [A]	In [A]	kpg	I2 [A]	S [mm2]	Iz [A]	kg	Izxkg [A]	[A]		[A]	L m	kW x m	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			16	17	18
	RGS-II																		
	RS-7	153.0	0.65	0.85	99.5	169.1	200	1.60	320.0	4xLYc120+70	249	1	249	320.0	<	361.1	25	2486	0.24
1	wlz-3	43.0	0.80	0.8	34.4	62.1	63	1.60	100.8	YKY 5x16	80	0.94	75.2	100.8	<	109.0	15	516	0.37
2	wlz-4	33.0	0.80	0.85	26.4	44.9	63	1.60	100.8	YKY 5x16	80	0.94	75.2	100.8	<	109.0	10	264	0.19
3	wlz-5	34.0	0.80	0.85	27.2	46.2	63	1.60	100.8	YKY 5x16	80	0.94	75.2	100.8	<	109.0	20	544	0.39
4	wlz-6	25.0	1.00	0.7	25.0	51.6	63	1.60	100.8	YKY 5x16	80	0.94	75.2	100.8	<	109.0	30	750	0.53
5	wlz-7	7.5	0.60	0.9	4.5	7.2	25	1.60	40.0	YDY5x4	28	1	28	40.0	<	40.6	15	68	0.19
6	wlz-8	7.4	0.60	0.9	4.4	7.1	25	1.60	40.0	YDY5x4	28	1	28	40.0	<	40.6	20	89	0.25
	RS-8	264.0	0.40	0.85	105.6	179.5	200	1.60	320.0	4xLYc120+70	249	1	249	320.0	<	361.1	25	2640	0.25
1	wlz-3	30.0	0.80	0.8	24.0	43.4	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	15	360	0.26
2	wlz-4	20.0	0.85	0.8	17.0	30.7	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	25	425	0.30
3	wlz-5	20.0	0.85	0.8	17.0	30.7	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	25	425	0.19
4	wlz-6	20.0	0.85	0.8	17.0	30.7	63	1.45	91.4	YKY5x16	80	0.94	75.2	91.4	<	109.0	30	510	3.86
5	wlz-7	20.0	0.85	0.8	17.0	30.7	63	1.45	91.4	YKY5x16	80	0.94	75.2	91.4	<	109.0	25	425	3.22
6	obw. 9	0.3	1.00	0.7	0.3	1.6	6	1.60	9.6	YDY3x1,5	14.5	1	14.5	9.6	<	21.0	25	6	0.02
7	obw. 10	0.2	1.00	0.7	0.2	1.2	6	1.60	9.6	YDY3x1,5	14.5	1	14.5	9.6	<	21.0	15	3	0.01
8	obw. 11	0.2	1.00	0.7	0.2	1.2	6	1.60	9.6	YDY3x1,5	14.5	1	14.5	9.6	<	21.0	10	2	0.01
9	wlz-01	45.0	0.75	0.85	33.8	57.4	80	1.60	128.0	YKY5x25	101	0.94	94.94	128.0	<	137.7	35	1181	0.84
10	wlz-02	122.5	0.32	0.85	39.2	66.6	80	1.60	128.0	YKY5x25	101	0.94	94.94	128.0	<	137.7	60	2352	1.67
	RS-8/1	45.0	0.75	0.85	33.8	57.4	63	1.60	100.8	YKY5x25	101	0.94	94.9	100.8	<	137.6	25	844	0.38
1	wlz-3	9.6	0.85	0.85	8.2	13.9	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	15	122	0.09
2	wlz-4	24.5	0.85	0.85	20.8	35.4	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	15	312	0.22
3	obw. 6	2.0	1.00	0.9	2.0	3.2	10	1.45	14.5	YDY5x1,5	14.5	1	14.5	14.5	<	21.0	15	30	0.23
4	8	0.2	1.00	0.7	0.2	1.2	16	1.45	23.2	YDY3x1,5	28	1	28	23.2	<	40.6	15	3	0.00
5	9	0.3	1.00	0.7	0.3	1.6	16	1.45	23.2	YDY3x1,5	21	1	21	23.2	<	30.5	15	4	0.05
6	10	0.2	1.00	0.7	0.2	1.2	10	1.45	14.5	YDY3x1,5	21	1	21	14.5	<	30.5	15	3	0.04
	Rs-2b	95.0	0.40	0.85	38.0	64.6	80	1.6	128.0	YKY5x25	101	0.94	94.94	128.0	<	137.7	30	1140	0.52
1	wlz-3	17.8	1.00	0.8	17.8	32.2	63	1.6	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	15	267	0.19
2	wlz-4	10.0	1.00	0.8	10.0	18.1	63	1.6	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	20	200	0.14
3	wlz-5	10.0	1.00	0.8	10.0	18.1	63	1.6	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	25	250	0.18
4	wlz-6	42.3	0.70	0.8	29.6	53.5	63	1.6	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	25	740	0.53
5	wlz-7	10.0	1.00	0.8	10.0	18.1	63	1.45	91.4	YKY5x16	80	0.94	75.2	91.4	<	109.0	20	200	0.14
6	obw. 8	1.0	1.00	0.95	1.0	1.5	10	1.45	14.5	YDY5x2,5	19.5	1	19.5	14.5	<	28.3	25	25	0.02
7	wlz--9	8.0	1.00	0.95	8.0	12.2	63	1.6	100.8	YKY5x16	80	1	80	100.8	<	116.0	20	160	0.11
8	wlz-10	19.2	1.00	0.82	19.2	33.8	63	1.6	100.8	YKY5x16	80	1	80	100.8	<	116.0	20	384	0.27
9	obw. 11	0.2	1.00	0.65	0.2	1.3	6	1.45	8.7	YDY3x1,5	14.5	1	14.5	8.7	<	21.0	25	5	0.07
10	obw. 12	0.2	1.00	0.65	0.2	1.3	6	1.45	8.7	YDY3x1,5	14.5	1	14.5	8.7	<	21.0	25	5	0.07
11	obw. 13	0.2	1.00	0.65	0.2	1.3	6	1.45	8.7	YDY3x1,5	14.5	1	14.5	8.7	<	21.0	25	5	0.07
12	obw. 14	0.3	1.00	0.65	0.3	1.7	6	1.45	8.7	YDY3x1,5	14.5	1	14.5	6.0	<	21.0	25	6	0.09
	Rs2bEx	10	1	0.9	10	16.1	35	1.45	50.8	YDY5x6	41	1	41	50.8	<	59.45	25	250	0.47
1	obw. 1	3	1	0.95	3	4.6	6	1.45	8.7	YDY5x2,5	21	1	21	8.7	<	30.45	10	30	0.14
2	obw. 3	3	1	0.95	3	4.6	6	1.45	8.7	YDY5x2,5	21	1	21	8.7	<	30.45	10	30	0.14
3	obw. 5	0.5	1	0.7	0.5	1	4	1.45	5.8	YDY5x1,5	15.5	1	15.5	5.8	<	22.475	15	7.5	0.06
4	obw.7	10.0	0.60	0.7	6.0	12.4	40	1.45	58.0	YDY5x10	50	1	50	58.0	<	72.5	15	90	0.17
	RS-10	41.7	0.75	0.86	31.3	52.6	63	1.60	100.8	YKY5x25	101	0.94	94.94	100.8	<	137.7	70	2189	1.00
1	wlz-3	9.7	0.75	0.7	7.3	15.0	50	1.60	80.0	YKY5x16	80	0.94	75.2	80.0	<	109.0	15	109	0.08
2	wlz-4	25.2	0.75	0.8	18.9	34.1	50	1.60	80.0	YKY5x16	80	1	80	80.0	<	116.0	25	473	0.89
3	wlz-5	5.0	1.00	1.00	5.0	7.2	32	1.60	51.2	YDY5x6	36	1	36	51.2	<	52.2	15	75	0.14
4	obw. 6	0.3	1.00	0.65	0.3	2.0	6	1.45	8.7	YDY3x1,5	14.5	1	14.5	8.7	<	21.0	20	6	0.14
5	obw. 7	0.2	1.00	0.65	0.2	1.3	6	1.45	8.7	YDY3x1,5	14.5	1	14.5	8.7	<	21.0	20	4	0.00
6	wlz-8	5.0	1.00	0.9	5.0	8.0	16	1.45	23.2	YDY5x6	36	1	36	23.2	<	52.2	20	100	0.05
	RO-7	7.1	0.80	0.9	5.7	9.1	25	1.60	40.0	YDY5x6	36	0.94	33.84	40.0	<	49.1	20	114	0.22
1	obw. 1	1.2	1.00	0.9	1.2	5.8	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	15	18	0.41
2	obw. 7	1.1	1.00	0.9	1.1	5.3	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	20	22	0.50
3	obw. 8	1.1	1.00	0.9	1.1	5.3	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	15	17	0.38
4	obw.9	1.2	1.00	0.9	1.2	5.8	16	1.45	23.2	YDY3x2,5	19.5	1	19.5	23.2	<	28.3	25	30	0.69
	Ro-2b	5.5	0.80	0.9	4.4	7.1	25	1.60	40.0	YDY5x6	36	0.94	33.84	40.0	<	49.1	50	220	0.42
1	obw. 5	2.4	0.80	0.9	0.5	2.4	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	10	5	0.11
2	obw. 7	1.1	0.80	0.9	0.9	4.3	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	15	14	0.31
	RO-9	6.6	0.80	0.9	5.3	8.5	25	1.60	40.0	YDY5x6	36	0.94	33.84	40.0	<	49.1	70	370	0.70
1	obw. 1	1.6	0.80	0.9	1.3	2.1	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	15	19	0.44
2	obw. 3	1.9	0.80	0.9	1.5	2.4	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	15	23	0.52
3	obw.5	2.2	0.80	0.9	1.8	2.8	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	20	35	0.81
	RSp	92.0	0.45	0.85	41.4	70.4	80.0	1.60	128.0	YKY5x50	153	0.94	143.82	128.0	<	208.5	70	2898	0.66
1	wlz-01	11.5	0.80	0.8	9.2	16.6	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	15	138	0.10
2	wlz-02	5.0	1.00	0.8	5.0	9.0	32	1.60	51.2	YDY5x6	36	1	36	51.2	<	52.2	15	75	0.14
3	wlz-03	20.2	0.80	0.82	16.2	28.5	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	20	323	0.23
4	wlz-04	34.5	0.70	0.83	24.2	42.0	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	20	483	0.34
5	wlz-05	20.0	0.80	0.8	16.0	28.9	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	20	320	0.23
6	obw 07.2	1.5	0.80	0.9	1.2	5.8	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	20	24	0.55
7	obw 08.3	1.3	0.8	0.9	1.0	5.0	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	20	21	0.48
	RSm	11.8	0.80	0.82	9.4	28.8	63	1.60	100.8	YKY5x16	80	0.94	75.2	100.8	<	109.0	15	142	0.10
1	obw. 1	2.0	1.00	0.85	2.0	5.9	10	1.45	14.5	YDY5x1,5	14.5	1	14.5	14.5	<	21.0	15	30	0.69
2	obw.3	2.0	1.00	0.85	2.0	5.9	10	1.45	14.5	YDY5x1,5	14.5	1	14.5	14.5	<	21.0	15	30	0.69
3	obw. 7	2.0	1.00	0.85	2.0	5.9	10	1.45	14.5	YDY5x1,5	14.5	1	14.5	14.5	<	21.0	15	30	0.69
4	obw. 11	0.3	1.00	0.65	0.3	2.0	10	1.45	14.5	YDY3x1,5	14.5	1	14.5	14.5	<	21.0	15	5	0.10