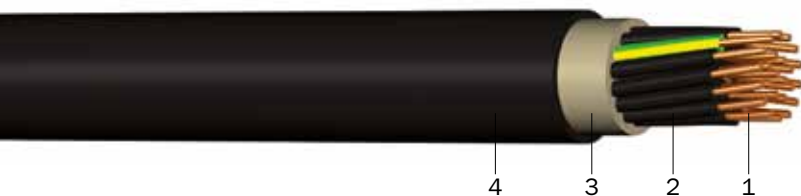


CYKY

PVC insulated building wires

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Sheath (PVC black, UV-resistant)

APPLICATION

The cables are designed for fixed power distribution in the ground or in the open air, where there is no risk of any mechanical stress.

TECHNICAL DATA



Standard:
ČSN 34 7411



Rated voltage:
450/750 V



Test voltage:
2.5 kV/50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -50 °C up to +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
12 x Ø of cable for Ø ≤ 15 mm
15 x Ø of cable for Ø > 15 mm



Core identification:
HD 308 S2



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
EZÚ Czech Republic, EAC (RU, BY, KZ, AM, KG)

Number of cores x nominal cross section (mm ²)	Capacitance – adjacent cores (inf. values) (nF/Km)	In-ductance – adjacent cores (inf. values) (mH/Km)	Inductance – crosswise cores (inf. values) (mH/Km)	Max. conductor resistance (Ω/km)	Current rating in the ground (A)	Current rating in the air (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
CYKY									
2 x 1.5 RE	87.925	0.669		12.531	34	22	8.1	105	100 R, 500 Sp
3 x 1.5 RE	84.412	0.763		12.531	28	18.5	8.6	120	100 R, 500 Sp
4 x 1.5 RE	107.833	0.425	0.612	12.531	28	18.5	9.3	150	100 R, 500 Sp
5 x 1.5 RE	78.115	0.582		12.531	28	18.5	10.1	175	100 R, 500 Sp
7 x 1.5 RE	98.473	0.435		12.531	16	12.5	11.0	225	1,000 D
12 x 1.5 RE	99.905	0.448		12.531	12.5	10	14.6	390	1,000 D
19 x 1.5 RE	110.784	0.393		12.531	10.5	8.5	17.0	565	1,000 D
24 x 1.5 RE	101.763	0.338		12.531	9	7.5	20.1	720	1,000 D
37 x 1.5 RE	118.093	0.538		12.531	8	7	22.9	1,120	1,000 D
48 x 1.5 RE	124.289	0.597		12.531	7	6	26.6	1,310	1,000 D
2 x 2.5 RE	138.967	0.357		7.520	45	30	8.9	140	100 R, 500 Sp
3 x 2.5 RE	127.959	0.590		7.520	36	25	9.5	170	100 R, 500 Sp
4 x 2.5 RE	125.421	0.365	0.844	7.520	36	25	10.3	210	100 R, 500 Sp
5 x 2.5 RE	122.405	0.358		7.520	36	25	11.2	260	100 R, 500 Sp
7 x 2.5 RE	119.545	0.659		7.520	21.5	16	12.2	340	1,000 D
12 x 2.5 RE	131.878	0.544		7.520	17	13	16.3	570	1,000 D

CYKY

Number of cores x nominal cross section (mm ²)	Capacitance – adjacent cores (inf. values) (nF/Km)	Inductance – adjacent cores (inf. values) (mH/Km)	Inductance – crosswise cores (inf. values) (mH/Km)	Max. conductor resistance (Ω/km)	Current rating in the ground (A)	Current rating in the air (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
CYKY									
19 x 2.5 RE	130.435	0.598		7.520	14	11	19.3	835	1,000 D
24 x 2.5 RE	133.738	0.576		7.520	12.5	10	22.5	1,080	1,000 D
37 x 2.5 RE	137.249	0.541		7.520	11	9	26.1	1,570	1,000 D
48 x 2.5 RE	138.527	0.567		7.520	9.5	8	29.8	2,000	1,000 D
2 x 4 RE	142.455	0.535		4.700	59	40	10.6	215	1,000 D
3 x 4 RE	131.475	0.533		4.700	48	34	11.2	255	1,000 D
4 x 4 RE	126.767	0.536	0.657	4.700	48	34	12.2	315	1,000 D
5 x 4 RE	121.525	0.391		4.700	48	34	13.8	380	1,000 D
7 x 4 RE	120.146	0.412		4.700	27.5	22	15.0	485	1,000 D
12 x 4 RE	118.672	0.435		4.700	21.5	17.5	20.0	870	1,000 D
2 x 6 RE	149.667	0.560		3.133	73	51	11.6	260	1,000 D
3 x 6 RE	148.007	0.540		3.133	61	43	12.3	325	1,000 D
4 x 6 RE	136.700	0.540	0.690	3.133	61	43	13.8	405	1,000 D
5 x 6 RE	121.918	0.486		3.133	61	43	15.1	500	1,000 D
3 x 10 RE	154.455	0.553		1.880	81	60	14.7	495	1,000 D
4 x 10 RE	153.535	0.555	0.695	1.880	81	60	16.1	645	1,000 D
5 x 10 RE	148.133	0.560		1.880	81	60	18.0	770	1,000 D
3 x 16 RE	163.438	0.525		1.175	105	80	16.7	720	1,000 D
4 x 16 RE	169.796	0.522	0.645	1.175	105	80	18.6	925	1,000 D
5 x 16 RE	159.842	0.527		1.175	105	80	20.4	1,140	1,000 D

Subject to technical changes.