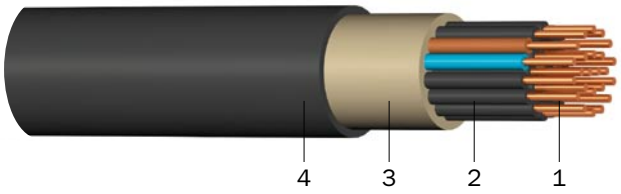
CYKY

Underground cable with PVC insulation and PVC sheath
Standard: TP PRAKAB 01/03

Usage:
Power distribution cables in power stations, industrial installations and switchgear, as well as in local mains. For fixed installation in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.



Construction:
1 Copper conductor, round solid (RE)
2 Core insulation (PVC). Conductors stranded together.
3 Inner covering (EPDM)
4 Sheath (PVC black, UV-resistant)

Rated voltage: 450/750 V

Test voltage: 2500 Veff

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

Bending radius (min.):
12 x ∅ of cable for ∅ ⩽ 15 mm
15 x ∅ of cable for ∅ > 15 mm

Core identification: coloured (HD 308 S2)

Fire properties:
flame retardant (EN 50265-2-1, IEC 60332-1)

Test certificate: EZÚ Czech Republic, GOST Russia, EVPÚ Slovak Republic

Number of cores x nominal cross section (mm^2)	Max. conductor resistance (Ω/km)	Current carrying capacity in the air[1)] (A)	Current carrying capacity in the ground[1)] (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lenghts/ packing (m)
CYKY							
2 x 1.5 RE	12.531	34	22	8.1	29	102	100 R, 500 Sp
3 x 1.5 RE	12.531	28	18	8.6	44	119	100 R, 500 Sp
4 x 1.5 RE	12.531	28	18	9.3	59	147	100 R, 500 Sp
5 x 1.5 RE	12.531	28	18	10.1	74	173	100 R, 500 Sp
7 x 1.5 RE	12.531	18	11	11.0	103	222	1000 T
12 x 1.5 RE	12.531	13	9	14.6	176	386	1000 T
19 x 1.5 RE	12.531	11	8	17.0	279	562	1000 T
24 x 1.5 RE	12.531	9	7	20.1	353	716	1000 T
37 x 1.5 RE	12.531	8	6	22.9	544	1,118	1000 T
48 x 1.5 RE	12.531	7	5	26.6	706	1,301	1000 T
2 x 2.5 RE	7.520	45	30	8.9	49	139	100 R, 500 Sp
3 x 2.5 RE	7.520	38	25	9.5	74	167	100 R, 500 Sp
4 x 2.5 RE	7.520	38	25	10.3	98	210	100 R, 500 Sp
5 x 2.5 RE	7.520	38	25	11.2	123	257	100 R, 500 Sp
7 x 2.5 RE	7.520	23	15	12.2	172	337	1000 T
12 x 2.5 RE	7.520	17	12	16.3	294	568	1000 T
19 x 2.5 RE	7.520	14	10	19.3	466	832	1000 T
24 x 2.5 RE	7.520	12	9	22.5	588	1,077	1000 T
37 x 2.5 RE	7.520	10	8	26.1	907	1,569	1000 T
48 x 2.5 RE	7.520	9	6	29.8	1,176	1,995	1000 T

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Number of cores x nominal cross section (mm^2)	Max. conductor resistance (Ω/km)	Current carrying capacity in the air[1)] (A)	Current carrying capacity in the ground[1)] (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lenghts/ packing (m)
CYKY							
2 x 4 RE	4.700	59	40	10.6	78	213	1000 T
3 x 4 RE	4.700	48	34	11.2	118	253	1000 T
4 x 4 RE	4.700	48	34	12.2	157	314	1000 T
5 x 4 RE	4.700	48	34	13.8	196	376	1000 T
7 x 4 RE	4.700	29	20	15.0	274	485	1000 T
12 x 4 RE	4.700	22	16	20.0	470	870	1000 T
2 x 6 RE	3.133	73	51	11.6	118	260	1000 T
3 x 6 RE	3.133	61	43	12.3	176	325	1000 T
4 x 6 RE	3.133	61	43	13.8	235	405	1000 T
5 x 6 RE	3.133	61	43	15.1	294	500	1000 T
3 x 10 RE	1.880	81	60	14.7	294	494	1000 T
4 x 10 RE	1.880	81	60	16.1	392	642	1000 T
5 x 10 RE	1.880	81	60	18.0	490	770	1000 T
3 x 16 RE	1.175	105	80	16.7	470	719	1000 T
4 x 16 RE	1.175	105	80	18.6	627	921	1000 T
5 x 16 RE	1.175	105	80	20.4	784	1,138	1000 T

1) basic rated current acc. to TP PRAKAB 01/03
Subject to technical changes.