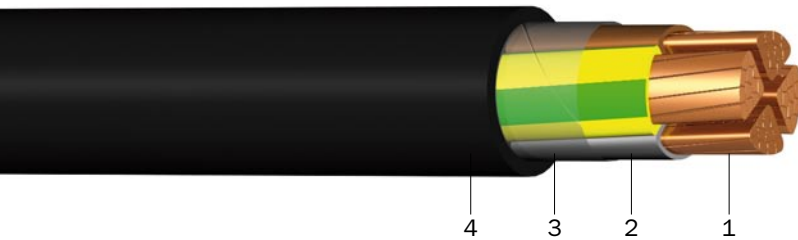


YKY, YnKY

Underground cable with PVC insulation and PVC sheath

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Sheath (YKY – PVC black, UV-resistant)
Sheath (YnKY – PVC black, higher flame retardation, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, 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.

TECHNICAL DATA



Standard:
IEC 60502-1



Rated voltage:
0.6/1 kV



Test voltage:
3.5 kV/50 Hz



Temperature range:
laying temperature: min. –5 °C
operating temperature: –30 °C up to +70 °C
conductor temperature: max. +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
15 x Ø of cable (single core)
12 x Ø of cable (multi-core)



Core identification:
HD 308 S2



Fire properties:
flame retardant:
EN 60332-1-2
reduced flame propagation:
EN 60332-3-24 (only YnKY cable)



Certificate:
EZÚ Czech Republic (only YKY cable)

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
YKY, YnKY						
3 x 1.5 RE	12.100	27	19	11.6	210	1,000 D
4 x 1.5 RE	12.100	27	19	12.4	245	1,000 D
5 x 1.5 RE	12.100	27	19	13.3	280	1,000 D
3 x 2.5 RE	7.410	36	25	12.5	260	1,000 D
4 x 2.5 RE	7.410	36	25	13.4	305	1,000 D
5 x 2.5 RE	7.410	36	25	14.4	355	1,000 D
3 x 4 RE	4.610	47	34	14.3	360	1,000 D
4 x 4 RE	4.610	47	34	15.4	425	1,000 D
5 x 4 RE	4.610	47	34	16.6	500	1,000 D
3 x 6 RE	3.080	59	43	15.3	445	1,000 D
4 x 6 RE	3.080	59	43	16.6	535	1,000 D
5 x 6 RE	3.080	59	43	18.0	630	1,000 D
3 x 10 RE	1.830	79	59	15.3	610	1,000 D
4 x 10 RE	1.830	79	59	18.4	740	1,000 D
5 x 10 RE	1.830	79	59	20.0	885	1,000 D
1 x 16 RM	1.150	160	107	10.9	225	500 D, 1,000 D

YKY, YnKY

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
YKY, YnKY						
3 x 16 RM	1.150	102	79	20.2	845	1,000 D
4 x 16 RM	1.150	102	79	22.0	1,030	1,000 D
5 x 16 RM	1.150	102	79	24.0	1,260	1,000 D
1 x 25 RM	0.727	208	144	11.8	335	500 D, 1,000 D
4 x 25 RM	0.727	133	106	25.4	1,490	1,000 D
5 x 25 RM	0.727	133	106	28.0	1,850	1,000 D
1 x 35 RM	0.524	250	176	13.0	465	500 D, 1,000 D
4 x 35 SM	0.537	159	129	26.4	1,650	1,000 D
5 x 35 RM	0.537	159	129	31.2	2,510	1,000 D
1 x 50 RM	0.387	296	214	14.6	610	500 D, 1,000 D
4 x 50 SM	0.387	188	157	31.2	2,230	1,000 D
5 x 50 SM	0.387	188	157	36.0	3,200	1,000 D
1 x 70 RM	0.268	365	270	16.4	815	500 D, 1,000 D
4 x 70 SM	0.268	232	199	34.8	3,070	1,000 D
5 x 70 SM	0.268	232	199	40.8	4,360	1,000 D
1 x 95 RM	0.193	438	334	18.7	1,120	500 D, 1,000 D
4 x 95 SM	0.193	280	246	40.0	4,180	1,000 D
5 x 95 SM	0.193	280	246	38.4	5,230	1,000 D
1 x 120 RM	0.153	501	389	20.2	1,380	500 D, 1,000 D
4 x 120 SM	0.153	318	285	43.6	5,200	500 D
5 x 120 SM	0.153	318	285	41.9	6,510	500 D
1 x 150 RM	0.124	563	446	22.0	1,610	500 D, 1,000 D
4 x 150 SM	0.124	359	326	46.8	6,310	500 D
5 x 150 SM	0.124	359	326	46.3	7,970	500 D
1 x 185 RM	0.099	639	516	24.6	2,020	500 D, 1,000 D
4 x 185 SM	0.099	406	374	53.2	7,830	500 D
5 x 185 SM	0.099	406	374	51.5	9,900	500 D
1 x 240 RM	0.075	746	618	27.6	2,610	500 D, 1,000 D
4 x 240 SM	0.075	473	445	58.7	10,280	500 D
5 x 240 SM	0.075	473	445	57.7	12,860	500 D
1 x 300 RM	0.060	845	711	30.4	3,260	500 D
1 x 400 RM	0.047	975	843	34.2	4,220	500 D
1 x 500 RM	0.037	1145	994	37.5	5,230	500 D
1 x 630 RM	0.028	1304	1180	41.7	6,650	500 D

1) basic rated current acc. to PN-93/E-90401, PN-93/E-90400
Subject to technical changes.