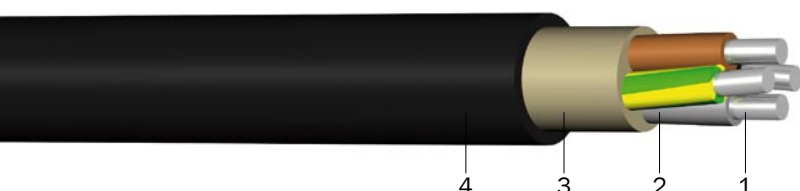


YAKY, YnAKY

Underground cable with PVC insulation and PVC sheath

DESIGN



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

APPLICATION

The cables are intended for distribution of electrical energy. 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 YnAKY 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)
YAKY, YnAKY						
4 x 16 RE	1.910	81	61	20.9	595	1,000 D
5 x 16 RE	1.910	81	61	22.3	705	1,000 D, 500 D
1 x 25 RE	1.200	160	110	11.6	195	1,000 D, 500 D
4 x 25 RE	1.200	102	82	24.5	885	1,000 D
5 x 25 RE	1.200	102	82	26.4	1,110	1,000 D, 500 D
1 x 35 RE	0.868	193	135	12.6	235	1,000 D, 500 D
4 x 35 RE	0.868	123	100	26.9	1,095	1,000 D
5 x 35 RM	0.868	123	100	31.3	1,380	1,000 D, 500 D
5 x 35 SM	0.868	123	100	28.3	1,020	1,000 D, 500 D
1 x 50 RM	0.641	230	166	14.3	305	1,000 D, 500 D
4 x 50 SE	0.641	144	119	29.5	1,060	1,000 D
4x 50 SM	0.641	144	119	28.8	1,150	1,000 D
5 x 50 SM	0.641	144	119	34.2	1,380	1,000 D, 500 D
1 x 70 RM	0.443	283	210	16.1	390	1,000 D, 500 D

YAKY, YnAKY

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)
YAKY, YnAKY						
4 x 70 SE	0.443	179	152	30.5	1,400	1,000 D
4 x 70 SM	0.443	179	152	32.5	1,400	1,000 D
5 x 70 SM	0.443	179	152	39.2	1,790	1,000 D, 500 D
1 x 95 RM	0.320	340	259	18.4	505	1,000 D, 500 D
4 x 95 SE	0.320	215	186	35.1	1,810	1,000 D
4 x 95 SM	0.320	215	186	37.4	1,830	1,000 D
5 x 95 SM	0.320	215	186	45.6	2,350	500 D
1 x 120 RM	0.253	389	302	20.0	590	1,000 D, 500 D
3 x 120 + 70 SM/RM	0.253	245	216	41.0	2,050	1,000 D
4 x 120 SE	0.253	245	216	38.5	2,160	1,000 D
4 x 120 SM	0.253	245	216	41.0	2,320	1,000 D
5 x 120 SM	0.253	245	216	49.4	2,830	500 D
1 x 150 RM	0.206	436	345	21.8	730	1,000 D, 500 D
3 x 150 + 70 SM/RM	0.206/0.443	275	246	45.5	2,380	500 D
4 x 150 SE	0.206	275	246	42.5	2,540	500 D
4 x 150 SM	0.206	275	246	45.5	2,670	500 D
5 x 150 SM	0.206	275	246	55.0	3,450	500 D
1 x 185 RM	0.164	496	401	24.3	890	1,000 D, 500 D
3 x 185 + 95 SM/RM	0.164/0.320	313	285	50.4	2,990	500 D
4 x 185 SM	0.164	313	285	50.4	3,330	500 D
5 x 185 SM	0.164	313	285	61.6	4,260	500 D
1 x 240 RM	0.125	578	479	27.2	1,160	1,000 D, 500 D
3 x 240 + 120 SM/RM	0.125/0.253	364	338	57.1	3,810	500 D
4 x 240 SM	0.125	364	338	57.1	4,520	500 D
5 x 240 SM	0.125	364	338	69.3	5,390	500 D
1 x 300 RM	0.100	656	555	30.3	1,390	500 D
1 x 400 RM	0.078	756	653	35.5	1,770	500 D
1 x 500 RM	0.061	873	772	37.6	2,160	500 D
1 x 630 RM	0.047	1,011	915	42.6	2,890	500 D
1 x 630 RM + 2 x 2.5 RE ²⁾	0.047	1,011	915	42.6	2,970	500 D

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

2) aluminium conductor round stranded (630 RM) with two control copper insulated wires (2,5 RE) in the outer layer.

Marking: YAKY-zp 1 x 630 RM + 2 x 2.5 RE

Subject to technical changes.