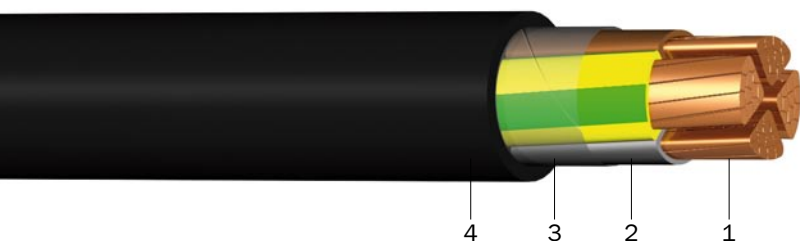


YKXS

Underground cable with XLPE insulation and PVC sheath

DESIGN



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

APPLICATION

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

TECHNICAL DATA



Standard:
TP PRAKAB 13/03



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. -5 °C
 operating temperature: -30 °C up to +90 °C
 conductor temperature: max. +90 °C
 short-circuit temperature: max. +250 °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

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)
YKXS						
3 x 1.5 RE	12.100	31	24	10.8	180	500 D, 1,000 D
4 x 10 RE	1.830	86	74	16.8	630	500 D, 1,000 D
1 x 25 RM	0.727	229	177	11.8	325	500 D, 1,000 D
4 x 25 RM	0.727	145	133	23.6	1,380	500 D, 1,000 D
5 x 25 RM	0.727	145	133	26.3	1,650	500 D, 1,000 D
1 x 35 RM	0.524	275	217	13.0	430	500 D, 1,000 D
4 x 35 SM	0.524	174	162	23.7	1,530	500 D, 1,000 D
5 x 35 RM	0.524	174	162	29.6	2,190	500 D, 1,000 D
1 x 50 RM	0.387	326	265	14.4	580	500 D, 1,000 D
4 x 50 SM	0.387	206	197	27.1	2,180	500 D, 1,000 D
5 x 50 SM	0.387	206	197	30.7	2,560	500 D, 1,000 D
1 x 70 RM	0.268	400	336	16.2	785	500 D, 1,000 D
4 x 70 SM	0.268	254	250	31.0	2,950	500 D, 1,000 D
5 x 70 SM	0.268	254	250	35.0	3,560	500 D, 1,000 D
1 x 95 RM	0.193	480	415	17.9	1,030	500 D, 1,000 D
4 x 95 SM	0.193	305	308	35.3	3,830	500 D, 1,000 D

YKXS

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)
YKXS						
5 x 95 SM	0.193	305	308	39.8	4,850	500 D, 1,000 D
1 x 120 RM	0.153	548	485	19.6	1,290	500 D, 1,000 D
4 x 120 SM	0.153	348	359	39.1	4,810	500 D, 1,000 D
5 x 120 SM	0.153	348	359	43.5	6,080	500 D
1 x 150 RM	0.124	616	557	21.2	1,620	500 D, 1,000 D
4 x 150 SM	0.124	392	412	43.2	5,880	500 D
5 x 150 SM	0.124	392	412	48.2	7,470	500 D
1 x 185 RM	0.099	698	646	23.6	1,980	500 D, 1,000 D
4 x 185 SM	0.099	444	475	48.7	7,400	500 D
5 x 185 SM	0.099	444	475	53.0	9,230	500 D
1 x 240 RM	0.075	815	774	26.6	2,440	500 D, 1,000 D
4 x 240 SM	0.075	517	564	54.3	9,620	500 D
5 x 240 SM	0.075	517	564	59.5	12,050	500 D
1 x 300 RM	0.060	927	901	29.1	3,100	500 D, 1,000 D
1 x 400 RM	0.047	1,064	1,060	32.7	3,940	500 D
1 x 500 RM	0.037	1,227	1,252	36.3	4,970	500 D

1) basic rated current acc. to TP PRAKAB 13/03
Subject to technical changes.