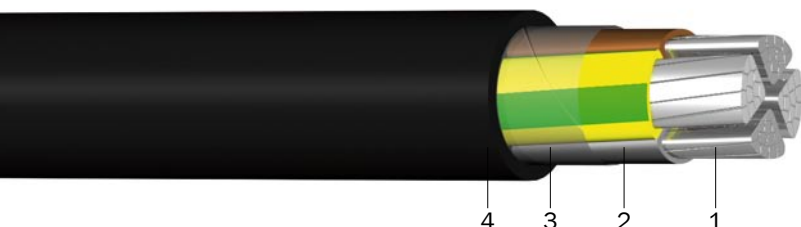


YAKXS

Underground cable with XLPE insulation and PVC sheath

DESIGN



- 1 | Aluminium conductor, round solid (RE), sector-shaped solid (SE), 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

4

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)
YAKXS						
4 x 16 RE	1.910	85	73	19.0	495	500 D, 1,000 D
5 x 16 RE	1.910	85	73	20.6	580	500 D, 1,000 D
1 x 25 RE	1.200	177	136	11.3	175	1,000 D
4 x 25 RE	1.200	112	102	22.5	710	500 D, 1,000 D
5 x 25 RE	1.200	112	102	25.5	840	500 D, 1,000 D
1 x 35 RE	0.868	212	166	12.4	220	1,000 D
4 x 35 RE	0.868	135	126	23.7	910	500 D, 1,000 D
5 x 35 RM	0.868	135	126	29.5	1,080	500 D, 1,000 D
1 x 50 RM	0.641	252	205	14.5	290	500 D, 1,000 D
4 x 50 SE	0.641	158	149	25.5	865	500 D, 1,000 D
4 x 50 SM	0.641	158	149	27.5	890	500 D, 1,000 D
5 x 50 SM	0.641	158	149	31.9	1,100	500 D, 1,000 D
1 x 70 RM	0.443	310	260	16.1	360	500 D, 1,000 D
4 x 70 SE	0.443	196	191	29.2	1,170	500 D, 1,000 D

YAKXS

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)
YAKXS						
4 x 70 SM	0.443	196	191	31.4	1,190	500 D, 1,000 D
5 x 70 SM	0.443	196	191	37.5	1,500	500 D, 1,000 D
1 x 95 RM	0.320	372	321	18.0	470	500 D, 1,000 D
4 x 95 SE	0.320	234	234	32.4	1,470	500 D, 1,000 D
4 x 95 SM	0.320	234	234	35.2	1,590	500 D, 1,000 D
5 x 95 SM	0.320	234	234	42.3	1,900	500 D, 1,000 D
1 x 120 RM	0.253	425	376	19.5	555	500 D, 1,000 D
3 x 120 + 70 SM/RM	0.253/0.443	268	273	39.0	1,800	500 D, 1,000 D
4 x 120 SE	0.253	268	273	36.5	1,880	500 D, 1,000 D
4 x 120 SM	0.253	268	273	39.0	1,900	500 D, 1,000 D
5 x 120 SM	0.253	268	273	47.4	2,330	500 D
1 x 150 RM	0.206	476	431	21.2	680	500 D, 1,000 D
3 x 150 + 70 SM/RM	0.206/0.443	300	311	43.1	2,100	500 D
4 x 150 SE	0.206	300	311	40.1	2,210	500 D
4 x 150 SM	0.206	300	311	43.1	2,350	500 D
5 x 150 SM	0.206	300	311	52.5	2,930	500 D
1 x 185 RM	0.164	541	501	23.6	810	500 D, 1,000 D
3 x 185 + 95 SM/RM	0.164/0.32	342	360	48.6	2,690	500 D
4 x 185 SM	0.164	342	360	48.6	2,980	500 D
5 x 185 SM	0.164	342	360	59.6	3,590	500 D
1 x 240 RM	0.125	631	600	27.0	1,030	500 D, 1,000 D
3 x 240 + 120 SM/RM	0.125/0.253	398	427	54.4	3,380	500 D
4 x 240 SM	0.125	398	427	55.5	3,670	500 D
5 x 240 SM	0.125	398	427	67.1	4,590	500 D
1 x 300 RM	0.100	716	696	29.5	1,250	500 D
1 x 400 RM	0.078	825	821	32.5	1,540	500 D
1 x 500 RM	0.061	952	971	37.0	1,970	500 D
1 x 630 RM	0.047	1,102	1,151	42.4	2,640	500 D

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