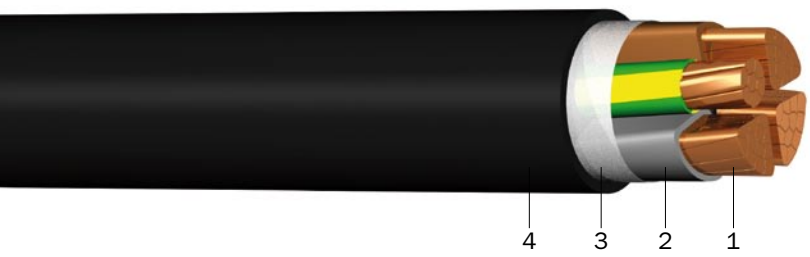
PRAKAB PRAŽSKÁ KABELOVNA

E–YY

Underground cable with PVC insulation and PVC sheath

DESIGN



1 I Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
2 I Core insulation (PVC)
3 I Inner covering (EPDM or plastic tape)
4 I Sheath (PVC black, 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:
ÖVE/ÖNORM E 8200-603 (HD 603)

Rated voltage:
0.6/1 kV

Test voltage:
4 kV/50 Hz

Temperature range:

laying temperature:	min. –5 °C
operating temperature:	–50 °C up to +70 °C
conductor temperature:	max. +70 °C
short-circuit temperature:	max. +140 °C/5 s (> 300 mm²) resp. max. +160 °C/5 s (< 300 mm²)

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

Core identification:
HD 308 S2

Fire properties:
flame retardant:
EN 60332-1-2

Certificate:
EZÚ Czech Republic, ÖVE Austria, GOST-R Russia

Number of cores x nominal cross section (mm²)	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)
E–YY						
2 x 1.5 RE	12.100	32	20	8.4	120	500 Sp. 1,000 Sp
3 x 1.5 RE	12.100	27	19	9.1	140	500 Sp. 1,000 Sp
4 x 1.5 RE	12.100	27	19	9.7	160	500 Sp. 1,000 Sp
5 x 1.5 RE	12.100	19	14	10.5	190	500 Sp. 1,000 Sp
2 x 2.5 RE	7.410	42	27	9.6	150	500 Sp. 1,000 Sp
3 x 2.5 RE	7.410	36	25	9.8	185	500 Sp. 1,000 Sp
4 x 2.5 RE	7.410	36	25	10.4	215	500 Sp. 1,000 Sp
5 x 2.5 RE	7.410	25	19	12.0	265	500 Sp. 1,000 Sp
2 x 4 RE	4.610	54	37	10.5	250	500 Sp. 1,000 Sp
3 x 4 RE	4.610	46	34	11.2	260	500 Sp. 1,000 Sp
4 x 4 RE	4.610	46	34	13.0	325	500 Sp. 1,000 Sp
5 x 4 RE	4.610	32	25	14.5	390	500 Sp. 1,000 Sp

E–YY

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)
E–YY						
2 x 6 RE	3.080	68	48	11.6	265	500 Sp. 1,000 Sp
3 x 6 RE	3.080	58	43	12.5	340	500 Sp. 1,000 Sp
4 x 6 RE	3.080	58	43	14.0	425	500 Sp. 1,000 Sp
5 x 6 RE	3.080	41	32	15.7	510	500 Sp. 1,000 Sp
1 x 10 RM	1.830	83	64	8.8	155	500 D, 1,000 D
2 x 10 RE	1.830	90	66	13.5	390	500 D, 1,000 D
3 x 10 RE	1.830	78	59	15.6	510	500 D, 1,000 D
4 x 10 RE	1.830	78	59	17.0	635	500 D, 1,000 D
5 x 10 RE	1.830	55	44	19.0	780	500 D, 1,000 D
4 x 10 RM	1.830	78	59	17.0	655	500 D, 1,000 D
5 x 10 RM	1.830	55	44	19.0	795	500 D, 1,000 D
1 x 16 RE	1.150	107	84	9.4	220	500 D, 1,000 D
1 x 16 RM	1.150	107	84	9.8	225	500 D, 1,000 D
2 x 16 RE	1.150	116	89	17.1	590	500 D, 1,000 D
3 x 16 RE	1.150	101	78	17.5	720	500 D, 1,000 D
4 x 16 RE	1.150	101	78	19.3	915	500 D, 1,000 D
5 x 16 RE	1.150	71	59	21.0	1,150	500 D, 1,000 D
3 x 16 RM	1.150	101	78	18.9	765	500 D, 1,000 D
4 x 16 RM	1.150	101	78	20.2	960	500 D, 1,000 D
5 x 16 RM	1.150	71	59	22.2	1,150	500 D, 1,000 D
1 x 25 RM	0.727	138	114	11.3	330	500 D, 1,000 D
3 x 25 RM	0.727	132	105	21.5	1,190	500 D, 1,000 D
3 x 25 + 16 RM/RE	0.727/1.150	132	105	22.5	1,370	500 D, 1,000 D
4 x 25 RM	0.727	132	105	24.7	1,430	500 D, 1,000 D
5 x 25 RM	0.727	132	105	28.4	1,770	500 D, 1,000 D
1 x 35 RM	0.524	164	139	12.4	435	500 D, 1,000 D
3 x 35 SM	0.524	159	129	22.5	1,240	500 D, 1,000 D
3 x 35 + 16 SM/RE	0.524/1.160	159	129	23.9	1,420	500 D, 1,000 D
4 x 35 SM	0.524	159	129	24.5	1,610	500 D, 1,000 D
5 x 35 RM	0.524	159	129	30.0	2,300	500 D, 1,000 D
1 x 50 RM	0.387	195	169	14.9	575	500 D, 1,000 D
3 x 50 SM	0.387	188	157	25.9	1,690	500 D, 1,000 D
3 x 50 + 25 SM/RM	0.387/0.727	188	157	28.2	1,980	500 D, 1,000 D
4 x 50 SM	0.387	188	157	28.5	2,150	500 D, 1,000 D
5 x 50 RM	0.387	188	157	36.5	3,200	500 D, 1,000 D
1 x 70 RM	0.268	238	213	17.0	795	500 D, 1,000 D
3 x 70 SM	0.268	232	199	29.5	2,450	500 D, 1,000 D
3 x 70 + 35 SM/RM	0.268/0.524	232	199	31.9	2,720	500 D, 1,000 D
4 x 70 SM	0.268	232	199	32.2	2,950	500 D, 1,000 D
5 x 70 RM	0.268	232	199	43.0	4,340	500 D, 1,000 D
1 x 95 RM	0.193	286	264	19.0	1,090	500 D, 1,000 D
3 x 95 SM	0.193	280	246	33.0	3,210	500 D, 1,000 D

SCHWECHATER KABELWERKE

E–YY

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)
E–YY						
3 x 95 + 50 SM/RM	0.193/0.387	280	246	35.8	3,630	500 D, 1,000 D
4 x 95 SM	0.193	280	246	37.5	4,110	500 D, 1,000 D
5 x 95 RM	0.193	280	246	50.0	6,090	500 D, 1,000 D
1 x 120 RM	0.153	325	307	20.0	1,320	500 D, 1,000 D
3 x 120 SM	0.153	318	285	36.0	4,050	500 D, 1,000 D
3 x 120 + 70 SM/RM	0.153/0.268	318	285	40.0	4,500	500 D, 1,000 D
4 x 120 SM	0.153	318	285	41.0	5,010	500 D, 1,000 D
5 x 120 RM	0.153	318	285	51.0	6,580	500 D, 1,000 D
1 x 150 RM	0.124	366	352	22.5	1,580	500 D, 1,000 D
3 x 150 SM	0.124	359	326	40.3	4,880	500 D, 1,000 D
3 x 150 + 70 SM/RM	0.124/0.268	359	326	43.0	5,510	500 D, 1,000 D
4 x 150 SM	0.124	359	326	45.0	6,070	500 D, 1,000 D
1 x 185 RM	0.099	413	406	24.5	1,950	500 D, 1,000 D
3 x 185 SM	0.099	406	374	44.0	6,200	500 D, 1,000 D
3 x 185 + 95 SM/RM	0.099/0.193	406	374	48.0	6,810	500 D, 1,000 D
4 x 185 SM	0.099	406	374	49.0	7,560	500 D, 1,000 D
1 x 240 RM	0.075	479	483	28.0	2,560	500 D, 1,000 D
3 x 240 SM	0.075	473	445	52.0	8,300	800 D
3 x 240 + 120 SM/RM	0.075/0.153	473	445	54.0	8,820	800 D
4 x 240 SM	0.075	473	445	57.0	10,150	800 D
1 x 300 RM	0.060	539	552	30.0	3,170	500 D, 1,000 D
1 x 400 RM	0.047	614	646	35.0	4,120	500 D, 1,000 D
1 x 500 RM	0.037	693	747	38.5	5,130	500 D, 1,000 D

1) basic rated current acc. to ÖVE/ÖNORM E 8200-603 (HD 603)
Subject to technical changes.