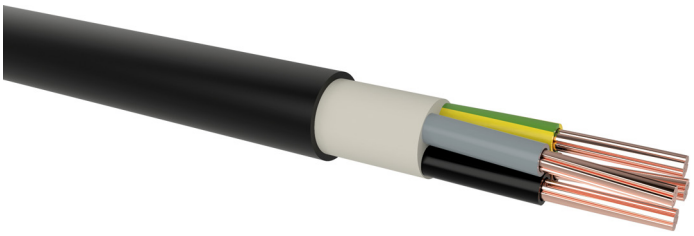
PRAKAB PRAŽSKÁ KABELOVNA

E-YY

PVC/PVC copper energy cable

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 cable for power stations, industrial facilities and switching stations as well as for local power networks. For fixed installation indoors, in cable ducts, outdoors and in water, according to the applicable erection standards, if no risk of any mechanical damage is to be expected.

TECHNICAL DATA

Standard:
ÖVE/ÖNORM E 8200-603 (HD603)
ÖVE/ÖNORM E 8200-627 (HD627) for multi-core (6-61x)

Rated voltage:
0.6/1 kV

Test voltage:
core / core 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. 160 °C/5 s (⩽300 mm²)
max. 140 °C/5 s (>300 mm²)

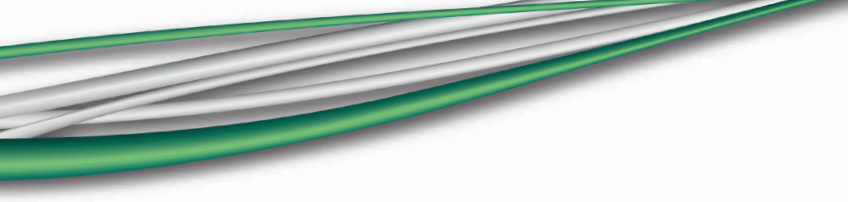
Bending radius (min.):
18 x Ø of cable (single core)
12 x Ø of cable (multi core)

Core identification:
HD 308 S2

Fire properties:
EN 60332-1-2: flame retardant
CPR classification: E_{ca}

Certificate:
EZÚ Czech Republic
ÖVE Austria

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
E-YY						
2 x 1.5 RE	12.1	32.0	20.0	10.0	147	500 D, 1000 D
3 x 1.5 RE	12.1	27.0	19.5	10.4	167	500 D, 1000 D
4 x 1.5 RE	12.1	27.0	19.5	11.1	194	500 D, 1000 D
5 x 1.5 RE	12.1	27.0	19.5	12.0	224	500 D, 1000 D
7 x 1.5 RE	12.1	16.0	12.5	13.2	291	500 D, 1000 D
10 x 1.5 RE	12.1	13.5	10.5	16.1	412	500 D, 1000 D
12 x 1.5 RE	12.1	12.0	9.5	16.5	451	500 D, 1000 D
14 x 1.5 RE	12.1	12.0	9.5	17.2	499	500 D, 1000 D
19 x 1.5 RE	12.1	11.0	9.0	18.9	623	500 D, 1000 D
24 x 1.5 RE	12.1	9.5	8.0	21.8	795	500 D, 1000 D
30 x 1.5 RE	12.1	8.0	7.0	22.9	918	500 D, 1000 D
37 x 1.5 RE	12.1	8.0	7.0	25.0	1106	500 D, 1000 D
40 x 1.5 RE	12.1	8.0	7.0	25.9	1183	500 D, 1000 D
44 x 1.5 RE	12.1	7.0	6.0	27.9	1332	500 D, 1000 D



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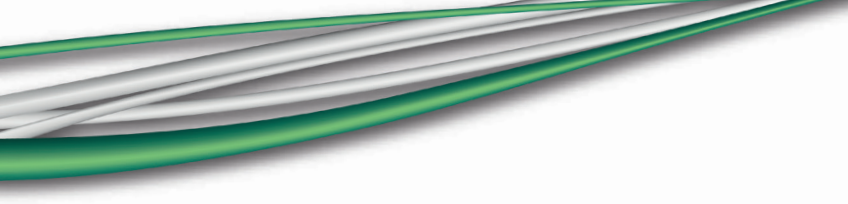
PVC/PVC copper energy cable

Number of cores x nominal cross-section (mm^2)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
E-YY						
48 x 1.5 RE	12.1	7.0	6.0	28.3	1404	500 D, 1000 D
2 x 2.5 RE	7.41	42.0	27.0	10.7	182	500 D, 1000 D
3 x 2.5 RE	7.41	36.0	25.0	11.2	211	500 D, 1000 D
4 x 2.5 RE	7.41	36.0	25.0	12.1	249	500 D, 1000 D
5 x 2.5 RE	7.41	36.0	25.0	13.0	289	500 D, 1000 D
7 x 2.5 RE	7.41	21.5	17.0	14.4	379	500 D, 1000 D
10 x 2.5 RE	7.41	18.0	14.5	17.6	541	500 D, 1000 D
12 x 2.5 RE	7.41	16.0	13.0	18.1	599	500 D, 1000 D
14 x 2.5 RE	7.41	16.0	13.0	18.9	667	500 D, 1000 D
19 x 2.5 RE	7.41	14.5	11.5	20.8	843	500 D, 1000 D
24 x 2.5 RE	7.41	12.5	10.5	24.5	1103	500 D, 1000 D
30 x 2.5 RE	7.41	11.0	9.0	25.8	1283	500 D, 1000 D
37 x 2.5 RE	7.41	11.0	9.0	27.7	1521	500 D, 1000 D
40 x 2.5 RE	7.41	11.0	9.0	28.8	1630	500 D, 1000 D
48 x 2.5 RE	7.41	9.0	8.0	31.4	1941	500 D, 1000 D
2 x 4 RE	4.61	54.0	37.0	12.4	251	500 D, 1000 D
3 x 4 RE	4.61	46.0	34.0	13.0	295	500 D, 1000 D
4 x 4 RE	4.61	46.0	34.0	14.0	351	500 D, 1000 D
5 x 4 RE	4.61	46.0	34.0	15.2	412	500 D, 1000 D
7 x 4 RE	4.61	27.5	22.0	16.8	542	500 D, 1000 D
10 x 4 RE	4.61	23.0	18.5	20.9	784	500 D, 1000 D
12 x 4 RE	4.61	20.5	17.0	21.5	872	500 D, 1000 D
14 x 4 RE	4.61	20.5	17.0	22.6	975	500 D, 1000 D
19 x 4 RE	4.61	18.5	15.5	25.4	1267	500 D, 1000 D
24 x 4 RE	4.61	16.0	13.5	29.4	1629	500 D, 1000 D
30 x 4 RE	4.61	14.0	13.5	31.1	1904	500 D, 1000 D
37 x 4 RE	4.61	14.0	13.5	33.5	2269	500 D, 1000 D
2 x 6 RE	3.08	68.0	48.0	13.4	312	500 D, 1000 D
3 x 6 RE	3.08	58.0	43.0	14.1	372	500 D, 1000 D
4 x 6 RE	3.08	58.0	43.0	15.2	448	500 D, 1000 D
5 x 6 RE	3.08	58.0	43.0	16.5	530	500 D, 1000 D
7 x 6 RE	3.08	35.0	28.0	18.3	701	500 D, 1000 D
2 x 10 RE	1.83	90.0	66.0	15.4	445	500 D, 1000 D
3 x 10 RE	1.83	78.0	59.0	16.2	543	500 D, 1000 D
4 x 10 RM	1.83	78.0	59.0	18.1	685	500 D, 1000 D
4 x 10 RE	1.83	78.0	59.0	17.6	662	500 D, 1000 D
5 x 10 RM	1.83	78.0	59.0	19.8	822	500 D, 1000 D
5 x 10 RE	1.83	78.0	59.0	19.2	795	500 D, 1000 D
1 x 16 RE	1.15	107.0	84.0	10.1	232	500 D, 1000 D
1 x 16 RM	1.15	107.0	84.0	10.4	239	500 D, 1000 D
3 x 16 RE	1.15	101.0	78.0	18.2	754	500 D, 1000 D



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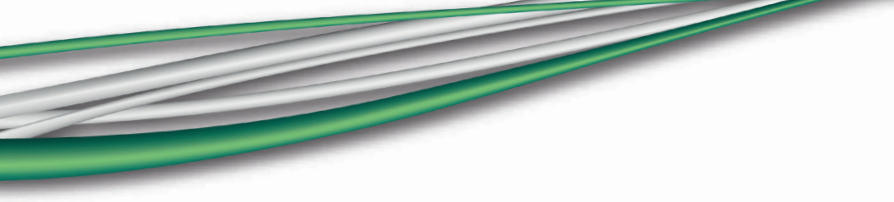
Number of cores x nominal cross-section (mm^2)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
E-YY						
3 x 16 RM	1.15	101.0	78.0	18.7	780	500 D, 1000 D
4 x 16 RM	1.15	101.0	78.0	20.4	960	500 D, 1000 D
4 x 16 RE	1.15	101.0	78.0	19.8	929	500 D, 1000 D
5 x 16 RM	1.15	101.0	78.0	22.3	1161	500 D, 1000 D
5 x 16 RE	1.15	101.0	78.0	21.7	1125	500 D, 1000 D
1 x 25 RM	0.727	138.0	114.0	11.9	345	500 D, 1000 D
3 x 25 RM	0.727	132.0	105.0	22.1	1151	500 D, 1000 D
3 x 25 + 16 RM/RE	0.727 /1.15	132.0	105.0	23.2	1308	500 D, 1000 D
4 x 25 RM	0.727	132.0	105.0	24.5	1450	500 D, 1000 D
5 x 25 RM	0.727	132.0	105.0	26.9	1757	500 D, 1000 D
1 x 35 RM	0.524	164.0	139.0	13.0	444	500 D, 1000 D
3 x 35 RM	0.524	159.0	129.0	24.7	1514	500 D, 1000 D
3 x 35 + 16 SM/RE	0.524 /1.15	159.0	129.0	24.3	1443	500 D, 1000 D
4 x 35 SM	0.524	159.0	129.0	24.3	1639	500 D, 1000 D
1 x 50 RM	0.387	195.0	169.0	14.6	582	500 D, 1000 D
3 x 50 SM	0.387	188.0	157.0	25.3	1660	500 D, 1000 D
3 x 50 + 25 SM/RM	0.387 /0.727	188.0	157.0	28.1	1948	500 D, 1000 D
4 x 50 SM	0.387	188.0	157.0	28.1	2173	500 D, 1000 D
5 x 50 SM	0.387	188.0	157.0	29.4	2673	500 D, 1000 D
1 x 70 RM	0.268	238.0	213.0	16.4	789	500 D, 1000 D
3 x 70 SM	0.268	232.0	199.0	28.1	2267	500 D, 1000 D
3 x 70 + 35 SM/RM	0.268 /0.524	232.0	199.0	30.9	2642	500 D, 1000 D
4 x 70 SM	0.268	232.0	199.0	30.9	2969	500 D, 1000 D
5 x 70 SM	0.268	232.0	199.0	34.8	3720	500 D, 1000 D
1 x 95 RM	0.193	286.0	264.0	18.5	1060	500 D, 1000 D
3 x 95 SM	0.193	280.0	246.0	31.5	3069	500 D, 1000 D
3 x 95 + 50 SM/RM	0.193 /0.387	280.0	246.0	36.4	3621	500 D, 1000 D
4 x 95 SM	0.193	280.0	246.0	36.4	4081	500 D, 1000 D
5 x 95 SM	0.193	280.0	246.0	38.6	5056	500 D, 1000 D
1 x 120 RM	0.153	325.0	307.0	19.8	1293	500 D, 1000 D
3 x 120 SM	0.153	318.0	285.0	34.0	3774	500 D, 1000 D
3 x 120 + 70 SM/RM	0.153 /0.268	318.0	285.0	39.2	4525	500 D, 1000 D
4 x 120 SM	0.153	318.0	285.0	39.2	5022	500 D, 1000 D
5 x 120 SM	0.153	318.0	285.0	43.3	6235	500 D, 1000 D
1 x 150 RM	0.124	365.0	352.0	21.7	1578	500 D, 1000 D
3 x 150 SM	0.124	359.0	326.0	38.0	4665	500 D, 1000 D
3 x 150 + 70 SM/RM	0.124 /0.268	359.0	326.0	43.9	5390	500 D, 1000 D
4 x 150 SM	0.124	359.0	326.0	43.9	6158	500 D, 1000 D
5 x 150 SM	0.124	359.0	326.0	48.3	7734	500 D, 1000 D
1 x 185 RM	0.0991	413.0	406.0	24.2	1971	500 D, 1000 D
3 x 185 SM	0.0991	406.0	374.0	41.6	5775	500 D, 1000 D



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Number of cores x nominal cross-section (mm^2)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
E-YY						
3 x 185 + 95 SM/RM	0.0991/0.193	406.0	374.0	49.5	6860	500 D, 1000 D
4 x 185 SM	0.0991	406.0	374.0	49.5	7733	500 D, 1000 D
5 x 185 SM	0.0991	406.0	374.0	54.1	9617	500 D, 1000 D
1 x 240 RM	0.0754	479.0	483.0	27.0	2540	500 D, 1000 D
3 x 240 SM	0.0754	473.0	445.0	47.2	7564	500 D, 1000 D
3 x 240 + 120 SM/RM	0.0754/0.153	473.0	445.0	55.1	8803	500 D, 1000 D
4 x 240 SM	0.0754	473.0	445.0	55.1	10002	500 D, 1000 D
1 x 300 RM	0.0601	539.0	552.0	29.6	3142	500 D, 1000 D
3 x 300 + 150 SM/RM	0.0601/0.124	535.0	510.0	61.8	11017	500 D, 1000 D
1 x 400 RM	0.047	614.0	646.0	33.2	3968	500 D, 1000 D
1 x 500 RM	0.0366	693.0	747.0	37.1	5054	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.