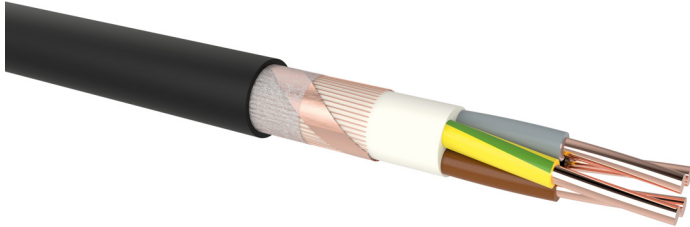


E-YCY

PVC/PVC copper energy cables, screened

DESIGN



- 1 | Copper conductor, round solid (RE) resp. round stranded (RM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Concentric screen (bare copper wires) and counter helix (copper tape) and optional plastic tape
- 5 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution and control 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 and in water – as permitted by the local building regulations – if protection against shock hazard in the event of mechanical damage or electrical screening is required.

TECHNICAL DATA



Standard:
 ÖVE/ONORM E 8200-603 (HD 603)
 ÖVE/ONORM E 8200-627 (HD 627)



Rated voltage:
 0.6/1 kV



Test voltage:
 core / core 4 kV / 50 Hz
 core / screen 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



Bending radius (min.):
 12 x Ø of cable



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 (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-YCY						
2 x 1.5 RE/1.5	12.1	32	19.5	13.5	238	500 D, 1000 D
2 x 1.5 RE/16	12.1	32	19.5	14.2	316	500 D, 1000 D
3 x 1.5 RE/1.5	12.1	27	19.5	13.9	261	500 D, 1000 D
3 x 1.5 RE/6	12.1	27	19.5	14.5	309	500 D, 1000 D
3 x 1.5 RE/16	12.1	27	19.5	14.0	331	500 D, 1000 D
4 x 1.5 RE/1.5	12.1	27	19.5	14.6	293	500 D, 1000 D
4 x 1.5 RE/16	12.1	27	19.5	15.6	427	500 D, 1000 D
5 x 1.5 RE/1.5	12.1	19	14.0	15.5	327	500 D, 1000 D
5 x 1.5 RE/16	12.1	19	14.0	16.2	376	500 D, 1000 D
7 x 1.5 RE/1.5	12.1	16	12.0	16.7	401	500 D, 1000 D
7 x 1.5 RE/2.5	12.1	16	12.0	16.7	410	500 D, 1000 D
7 x 1.5 RE/6	12.1	16	12.0	17.3	448	500 D, 1000 D
7 x 1.5 RE/16	12.1	16	12.0	17.7	535	500 D, 1000 D
10 x 1.5 RE/2.5	12.1	13	10.0	19.6	548	500 D, 1000 D
10 x 1.5 RE/6	12.1	13	10.0	20.2	586	500 D, 1000 D

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E-YCY						
10 x 1.5 RE/16	12.1	13	10.0	20.6	674	500 D, 1000 D
12 x 1.5 RE/1.5	12.1	12	10.0	20.0	581	500 D, 1000 D
12 x 1.5 RE/2.5	12.1	12	10.0	20.0	590	500 D, 1000 D
12 x 1.5 RE/16	12.1	12	10.0	21.0	716	500 D, 1000 D
14 x 1.5 RE/4	12.1	12	9.0	21.3	660	500 D, 1000 D
14 x 1.5 RE/16	12.1	12	9.0	21.7	767	500 D, 1000 D
16 x 1.5 RE/4	12.1	11	9.0	22.3	586	500 D, 1000 D
16 x 1.5 RE/16	12.1	11	9.0	23.2	721	500 D, 1000 D
19 x 1.5 RE/1.5	12.1	11	9.0	22.4	772	500 D, 1000 D
19 x 1.5 RE/4	12.1	11	9.0	23.0	799	500 D, 1000 D
19 x 1.5 RE/6	12.1	11	9.0	23.0	819	500 D, 1000 D
19 x 1.5 RE/16	12.1	11	9.0	23.4	904	500 D, 1000 D
24 x 1.5 RE/1.5	12.1	9	8.0	25.7	988	500 D, 1000 D
24 x 1.5 RE/6	12.1	9	8.0	26.3	1036	500 D, 1000 D
24 x 1.5 RE/16	12.1	9	8.0	26.7	1119	500 D, 1000 D
30 x 1.5 RE/16	12.1	8	7.0	27.8	1250	500 D, 1000 D
37 x 1.5 RE/6	12.1	8	7.0	29.1	1345	500 D, 1000 D
37 x 1.5 RE/16	12.1	8	7.0	29.5	1426	500 D, 1000 D
44 x 1.5 RE/16	12.1	7	6.0	32.4	1671	500 D, 1000 D
48 x 1.5 RE/16	12.1	7	6.0	32.8	1746	500 D, 1000 D
61 x 1.5 RE/16	12.1	7	6.0	33.5	1951	500 D, 1000 D
2 x 2.5 RE/2.5	7.41	42	27.0	14.2	286	500 D, 1000 D
2 x 2.5 RE/16	7.41	42	27.0	15.2	412	500 D, 1000 D
3 x 2.5 RE/2.5	7.41	36	25.0	14.7	318	500 D, 1000 D
3 x 2.5 RE/16	7.41	36	25.0	15.7	444	500 D, 1000 D
4 x 2.5 RE/2.5	7.41	36	25.0	15.6	361	500 D, 1000 D
4 x 2.5 RE/6	7.41	36	25.0	16.2	400	500 D, 1000 D
4 x 2.5 RE/16	7.41	36	25.0	16.6	487	500 D, 1000 D
5 x 2.5 RE/2.5	7.41	25	19.0	16.5	407	500 D, 1000 D
5 x 2.5 RE/16	7.41	25	19.0	17.5	533	500 D, 1000 D
7 x 2.5 RE/2.5	7.41	21	17.0	17.9	505	500 D, 1000 D
7 x 2.5 RE/6	7.41	21	17.0	18.5	543	500 D, 1000 D
7 x 2.5 RE/16	7.41	21	17.0	18.9	630	500 D, 1000 D
10 x 2.5 RE/4	7.41	18	14.0	21.7	704	500 D, 1000 D
10 x 2.5 RE/16	7.41	18	14.0	22.1	812	500 D, 1000 D
12 x 2.5 RE/4	7.41	17	13.0	22.2	765	500 D, 1000 D
12 x 2.5 RE/16	7.41	17	13.0	22.6	876	500 D, 1000 D
14 x 2.5 RE/16	7.41	16	13.0	23.4	948	500 D, 1000 D
16 x 2.5 RE/6	7.41	15	12.0	22.1	831	500 D, 1000 D
16 x 2.5 RE/16	7.41	15	12.0	23.1	1101	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-YCY						
19 x 2.5 RE/6	7.41	14	11.0	25.3	1077	500 D, 1000 D
19 x 2.5 RE/16	7.41	14	11.0	25.7	1160	500 D, 1000 D
24 x 2.5 RE/6	7.41	12	10.0	28.6	1338	500 D, 1000 D
24 x 2.5 RE/10	7.41	12	10.0	29.0	1369	500 D, 1000 D
24 x 2.5 RE/16	7.41	12	10.0	29.0	1420	500 D, 1000 D
30 x 2.5 RE/6	7.41	11	9.0	29.9	1527	500 D, 1000 D
30 x 2.5 RE/16	7.41	11	9.0	30.3	1608	500 D, 1000 D
37 x 2.5 RE/16	7.41	11	9.0	31.3	1971	500 D, 1000 D
48 x 2.5 RE/16	7.41	9	8.0	34.5	2441	500 D, 1000 D
2 x 4 RE/4	4.61	54	37.0	16.5	383	500 D, 1000 D
2 x 4 RE/16	4.61	54	37.0	16.9	491	500 D, 1000 D
3 x 4 RE/4	4.61	46	34.0	17.1	431	500 D, 1000 D
4 x 4 RE/4	4.61	46	34.0	18.1	493	500 D, 1000 D
4 x 4 RE/16	4.61	46	34.0	18.5	601	500 D, 1000 D
5 x 4 RE/4	4.61	32	25.0	19.3	561	500 D, 1000 D
5 x 4 RE/16	4.61	32	25.0	19.7	669	500 D, 1000 D
7 x 4 RE/4	4.61	28	21.0	20.9	700	500 D, 1000 D
7 x 4 RE/16	4.61	28	21.0	21.3	808	500 D, 1000 D
10 x 4 RE/6	4.61	25	18.0	25.4	1019	500 D, 1000 D
14 x 4 RE/16	4.61	24	17.0	27.5	1304	500 D, 1000 D
2 x 6 RE/6	3.08	68	48.0	17.5	470	500 D, 1000 D
2 x 6 RE/16	3.08	68	48.0	16.1	481	500 D, 1000 D
3 x 6 RE/6	3.08	58	43.0	18.2	535	500 D, 1000 D
4 x 6 RE/6	3.08	58	43.0	19.3	618	500 D, 1000 D
4 x 6 RE/16	3.08	58	43.0	19.7	705	500 D, 1000 D
5 x 6 RE/16	3.08	41	32.0	21.0	794	500 D, 1000 D
2 x 10 RE/16	1.83	90	66.0	19.9	702	500 D, 1000 D
4 x 10 RE/16	1.83	78	59.0	22.1	933	500 D, 1000 D
4 x 10 RM/16	1.83	78	59.0	20.7	876	500 D, 1000 D
5 x 10 RM/16	1.83	55	44.0	23.8	1021	500 D, 1000 D
2 x 16 RE/16	1.15	116	89.0	19.6	806	500 D, 1000 D
3 x 16 RE/16	1.15	101	78.0	21.1	941	500 D, 1000 D
4 x 16 RE/10	1.15	101	78.0	24.7	1189	500 D, 1000 D
4 x 16 RE/16	1.15	101	78.0	24.4	1141	500 D, 1000 D
4 x 16 RM/16	1.15	101	78.0	25.9	1189	500 D, 1000 D
5 x 16 RM/16	1.15	71	59.0	26.1	1381	500 D, 1000 D
3 x 25 RM/16	0.727	132	105.0	25.1	1421	500 D, 1000 D
4 x 25 RM/16	0.727	132	105.0	28.2	1641	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.