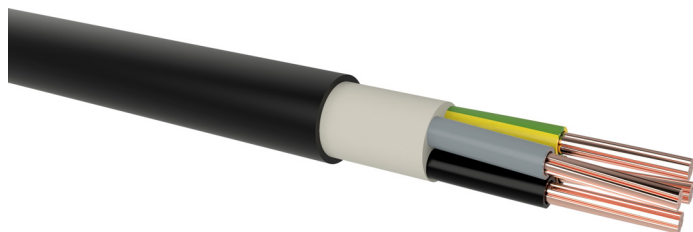


## E-YY-J or -O

PVC/PVC underground cable

### DESIGN



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



**Rated voltage:**  
0.6/1 kV (U<sub>0</sub>/U)



**Test voltage:**  
4 kV / 50 Hz



**Temperature range:**  
 laying temperature: min. -5 °C  
 operating temperature: -20 °C up to 70 °C  
 conductor temperature: max. 70 °C  
 short circuit temperature: max. 160 °C/5 s  
 (≤300 mm<sup>2</sup>)  
 resp. max. 140 °C/5 s  
 (>300 mm<sup>2</sup>)



**Bending radius (min.):**  
 15 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<sub>ca</sub>

Number of cores x nominal cross-section (mm <sup>2</sup> )	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 (m)
<b>E-YY-J or -O</b>						
1 x 4 RE	4.61			7.0	87	500 D, 1000 D
1 x 6 RE	3.08			7.5	106	500 D, 1000 D
1 x 10 RE	1.83	83	64	8.5	152	500 D, 1000 D
1 x 10 RM	1.83	83	64	9.3	164	500 D, 1000 D
1 x 16 RE	1.15	107	84	9.4	220	500 D, 1000 D
1 x 16 RM	1.15	107	84	9.8	225	500 D, 1000 D
1 x 25 RM	0.727	138	114	11.3	320	500 D, 1000 D
1 x 35 RM	0.524	164	139	12.4	435	500 D, 1000 D
1 x 50 RM	0.387	195	169	14.9	575	500 D, 1000 D
1 x 70 RM	0.268	238	213	17.0	795	500 D, 1000 D
1 x 95 RM	0.193	286	264	18.0	997	500 D, 1000 D
1 x 120 RM	0.153	325	307	19.7	1257	500 D, 1000 D
1 x 150 RM	0.124	366	352	21.2	1542	500 D, 1000 D
1 x 185 RM	0.0991	413	406	24.3	1944	500 D, 1000 D
1 x 240 RM	0.0754	479	483	27.1	2560	500 D, 1000 D
1 x 300 RM	0.0601	539	552	30.0	3170	500 D, 1000 D

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<b>E-YY-J or -O</b>						
1 x 400 RM	0.047	614	646	35.0	4120	500 D, 1000 D
1 x 500 RM	0.0366	693	747	38.5	5130	500 D, 1000 D
1 x 630 RM	0.0283	777	858	42.0	6850	500 D, 1000 D
2 x 1.5 RE	12.1	32	20	10.2	121	500 Sp, 1000 Sp
2 x 2.5 RE	7.41	42	27	12.2	218	500 Sp, 1000 Sp
2 x 4 RE	4.61	54	37	13.7	300	500 Sp, 1000 Sp
2 x 6 RE	3.08	68	48	11.6	265	500 Sp, 1000 Sp
2 x 10 RE	1.83	90	66	13.5	390	500 Sp, 1000 Sp
2 x 16 RE	1.15	116	89	17.0	590	500 Sp, 1000 Sp
2 x 25 RM	0.727	132	105	19.5	1100	500 D, 1000 D
2 x 35 RM	0.524	159	129	24.2	1248	500 D, 1000 D
3 x 1.5 RE	12.1	27	19.5	9.2	133	500 Sp, 1000 Sp
3 x 2.5 RE	7.41	36	25	9.8	185	500 Sp, 1000 Sp
3 x 4 RE	4.61	46	34	12.1	264	500 D, 1000 D
3 x 6 RE	3.08	58	43	13.6	363	500 D, 1000 D
3 x 10 RE	1.83	78	59	16.1	515	500 D, 1000 D
3 x 10 RM	1.83	78	59	15.6	512	500 D, 1000 D
3 x 16 RE	1.15	101	78	17.5	729	500 D, 1000 D
3 x 16 RM	1.15	101	78	17.6	760	500 D, 1000 D
3 x 25 RM	0.727	132	105	21.5	1090	500 D, 1000 D
3 x 35 RM	0.524	159	129	24.2	1430	500 D, 1000 D
3 x 50 SM	0.387	188	157	25.9	1690	500 D, 1000 D
3 x 70 SM	0.268	232	199	29.5	2450	500 D, 1000 D
3 x 95 SM	0.193	280	246	33.0	3210	500 D, 1000 D
3 x 120 SM	0.153	318	285	36.0	4050	500 D, 1000 D
3 x 150 SM	0.124	359	326	40.3	4879	500 D, 1000 D
3 x 185 SM	0.0991	406	374	44.0	6200	500 D, 1000 D
3 x 240 SM	0.0754	473	445	52.0	8300	500 D
3 x 25 + 16 RM/ RE	0.727/1.15	132	105	22.5	1370	500 D, 1000 D
3 x 35 + 16 SM/ RE	0.524/1.16	159	129	23.9	1420	500 D, 1000 D
3 x 50 + 25 SM/ RM	0.387/0.727	188	157	28.2	1980	500 D, 1000 D
3 x 70 + 35 SM/ RM	0.268/0.524	232	199	31.9	2720	500 D, 1000 D
3 x 95 + 50 SM/ RM	0.193/0.387	280	246	35.8	3630	500 D, 1000 D
3 x 95 + 50 SM/ SM	0.193/0.387	280	246	37.6	3560	500 D, 1000 D
3 x 120 + 70 SM/RM	0.153/0.268	318	285	40.0	4500	500 D, 1000 D

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Number of cores x nominal cross-section (mm <sup>2</sup> )	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 (m)
<b>E-YY-J or -O</b>						
3 x 150 + 70 SM/RM	0.124/0.268	359	326	43.0	5510	500 D, 1000 D
3 x 150 + 70 SM/SM	0.124/0.268	359	326	41.8	5456	500 D, 1000 D
3 x 240 + 120 SM/RM	0.0754/0.153	473	445	54.0	8820	500 D, 1000 D
3 x 300 + 150 SM/SM	0.0601/0.124	535	511	66.0	11900	500 D, 1000 D
4 x 1.5 RE	12.1	27	19.5	9.7	160	500 Sp, 1000 Sp
4 x 2.5 RE	7.41	36	25	10.4	215	500 Sp, 1000 Sp
4 x 4 RE	4.61	46	34	13.1	317	500 D, 1000 D
4 x 6 RE	3.08	58	43	14.0	425	500 D, 1000 D
4 x 10 RE	1.83	78	59	17.0	635	500 D, 1000 D
4 x 10 RM	1.83	78	59	17.1	628	500 D, 1000 D
4 x 16 RE	1.15	101	78	19.3	915	500 D, 1000 D
4 x 16 RM	1.15	101	78	20.0	900	500 D, 1000 D
4 x 25 RM	0.727	132	105	23.8	1412	500 D, 1000 D
4 x 35 SM	0.524	159	129	24.5	1610	500 D, 1000 D
4 x 50 RM	0.387	188	157	28.6	2259	500 D, 1000 D
4 x 70 SM	0.268	232	199	32.2	2950	500 D, 1000 D
4 x 95 SM	0.193	280	246	37.5	4110	500 D, 1000 D
4 x 120 SM	0.153	318	285	41.0	5010	500 D, 1000 D
4 x 150 SM	0.124	359	326	45.0	6070	500 D, 1000 D
4 x 185 SM	0.0991	406	374	49.0	7560	500 D, 1000 D
4 x 240 SM	0.0754	473	445	57.0	10150	500 D, 1000 D
4 x 300 SM	0.0601	535	510	59.2	12719	500 D, 1000 D
5 x 1.5 RE	12.1	19	14	10.5	190	500 Sp, 1000 Sp
5 x 2.5 RE	7.41	25	19	12.0	265	500 Sp, 1000 Sp
5 x 4 RE	4.61	32	25.5	16.2	418	500 D, 1000 D
5 x 6 RE	3.08	41	32	15.7	510	1000 D
5 x 10 RE	1.83	55	44	19.0	780	500 Sp, 1000 Sp
5 x 10 RM	1.83	55	44	18.7	766	500 D, 1000 D
5 x 16 RE	1.15	71	59	22.0	1147	1000 D
5 x 16 RM	1.15	71	59	22.3	1161	500 D, 1000 D
5 x 25 RM	0.727	132	105	28.4	1770	500 D, 1000 D
5 x 35 RM	0.524	159	129	29.3	2190	500 D, 1000 D
5 x 50 RM	0.387	188	157	36.5	3200	500 D, 1000 D
5 x 50 SM	0.387	188	157	30.0	2629	500 D, 1000 D
5 x 70 SM	0.268	232	199	32.0	3664	500 D, 1000 D
5 x 95 SM	0.193	280	246	40.8	4990	500 D, 1000 D
5 x 120 SM	0.153	318	285	40.1	6167	500 D, 1000 D
5 x 150 SM	0.124	359	326	53.4	7850	500 D, 1000 D

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Number of cores x nominal cross-section (mm <sup>2</sup> )	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 (m)
<b>E-YY-J or -O</b>						
7 x 1.5 RE	12.1	16	12.5	12.9	254	500 D, 1000 D
7 x 2.5 RE	7.41	21.5	17	14.2	326	500 D, 1000 D
7 x 4 RE	4.61	27.5	22	16.9	523	500 D, 1000 D
7 x 6 RE	3.08	35	28	18.1	681	500 D, 1000 D
10 x 1.5 RE	12.1	13.5	10.5	15.9	367	500 D, 1000 D
10 x 2.5 RE	7.41	18	14.5	17.8	488	500 D, 1000 D
12 x 1.5 RE	12.1	12.5	10	16.4	390	500 D, 1000 D
12 x 2.5 RE	7.41	17	13.5	17.8	627	500 D, 1000 D
12 x 4 RE	4.61	21.5	17.5	21.7	908	500 D, 1000 D
14 x 1.5 RE	12.1	12	9.5	17.2	448	500 D, 1000 D
14 x 2.5 RE	7.41	16	13	18.6	702	500 D, 1000 D
14 x 4 RE	4.61	20.5	17	23.0	1100	500 D, 1000 D
16 x 1.5 RE	12.1	11	9	17.5	506	500 D, 1000 D
16 x 2.5 RE	7.41	15	12	20.1	829	500 D, 1000 D
19 x 1.5 RE	12.1	11	9	18.0	580	500 D, 1000 D
19 x 2.5 RE	7.41	14.5	11.5	21.2	794	500 D, 1000 D
19 x 4 RE	4.61	18.5	15.5	27.0	1300	500 D, 1000 D
21 x 1.5 RE	12.1	9.5	8	19.0	650	500 D, 1000 D
21 x 2.5 RE	7.41	12.5	10.5	22.0	980	500 D, 1000 D
24 x 1.5 RE	12.1	9.5	8	21.9	745	500 D, 1000 D
24 x 2.5 RE	7.41	12.5	10.5	25.0	975	500 D, 1000 D
24 x 4 RE	4.61	16	13.5	29.0	1549	500 D, 1000 D
30 x 1.5 RE	12.1	8	7	21.4	850	500 D, 1000 D
30 x 2.5 RE	7.41	11.5	9.5	26.1	1375	500 D, 1000 D
30 x 4 RE	4.61	15	12.5	35.0	2070	500 D, 1000 D
37 x 1.5 RE	12.1	8	7	24.0	1030	500 D, 1000 D
37 x 2.5 RE	7.41	11	9	28.0	1649	500 D, 1000 D
40 x 1.5 RE	12.1	8	6.5	25.5	1150	500 D, 1000 D
40 x 2.5 RE	7.41	10.5	8.5	28.3	1592	500 D, 1000 D
44 x 1.5 RE	12.1	7.5	6.5	26.5	1097	500 D, 1000 D
44 x 2.5 RE	7.41	10	8.5	31.0	1950	500 D, 1000 D
48 x 1.5 RE	12.1	7	6	25.6	1191	500 D, 1000 D
48 x 2.5 RE	7.41	9	8	33.0	2070	500 D, 1000 D
52 x 1.5 RE	12.1	7	6	29.5	1450	500 D, 1000 D
52 x 2.5 RE	7.41	9	8	34.5	2200	500 D, 1000 D
61 x 1.5 RE	12.1	7	6	31.6	1586	500 D, 1000 D
61 x 2.5 RE	7.41	9	8	38.0	2630	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

13.10.2022, 11:55