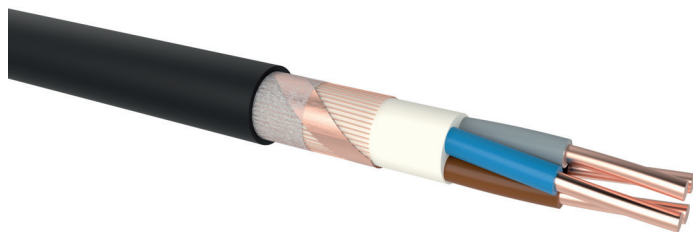


E-YCY

PVC/PVC underground cable, screened

DESIGN



- 1 | Copper conductor, round solid (RE) resp. round stranded (RM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Schirm (blanke Kupferdrähte und Querleitwendel, optional Kunststoffolie)
- 5 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switch gears, as well as in local mains. For fixed installation under ground, 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/ÖNORM E 8200-603
ÖVE/ÖNORM E 8200-627



Rated voltage:
0.6/1 kV (U₀/U)



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. 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}

Number of cores x nominal cross-section / cross-section of screen (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 (m)
E-YCY						
2 x 1.5 RE/1.5	12.1	32	20	10.8	185	500 D, 1000 D
2 x 1.5 RE/4	12.1	32	20	11.7	216	500 D, 1000 D
2 x 1.5 RE/16	12.1	32	20	12.1	315	500 D, 1000 D
3 x 1.5 RE/1.5	12.1	27	19	11.2	205	500 D, 1000 D
3 x 1.5 RE/2.5	12.1	27	19	11.6	212	500 D, 1000 D
3 x 1.5 RE/16	12.1	27	19	12.5	330	500 D, 1000 D
4 x 1.5 RE/1.5	12.1	27	19	11.7	230	500 D, 1000 D
4 x 1.5 RE/16	12.1	27	19	14.0	365	500 D, 1000 D
5 x 1.5 RE/1.5	12.1	19	14	12.8	255	500 D, 1000 D
5 x 1.5 RE/16	12.1	19	14	14.1	375	500 D, 1000 D
7 x 1.5 RE/1.5	12.1	16	12	13.6	305	500 D, 1000 D
7 x 1.5 RE/16	12.1	16	12	17.8	460	500 D, 1000 D
10 x 1.5 RE/2.5	12.1	13	10	16.9	470	500 D, 1000 D
10 x 1.5 RE/6	12.1	13	10	17.7	493	500 D, 1000 D
10 x 1.5 RE/16	12.1	13	10	18.1	590	500 D, 1000 D
12 x 1.5 RE/1.5	12.1	12	10	17.1	472	500 D, 1000 D
12 x 1.5 RE/2.5	12.1	12	10	16.2	480	500 D, 1000 D

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Number of cores x nominal cross-section / cross-section of screen (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 (m)
E-YCY						
12 x 1.5 RE/16	12.1	12	10	17.6	615	500 D, 1000 D
14 x 1.5 RE/2.5	12.1	12	9	18.1	563	500 D, 1000 D
14 x 1.5 RE/16	12.1	12	9	19.2	680	500 D, 1000 D
16 x 1.5 RE/4	12.1	11	9	20.0	585	500 D, 1000 D
16 x 1.5 RE/6	12.1	11	9	19.8	639	500 D, 1000 D
16 x 1.5 RE/16	12.1	11	9	21.0	720	500 D, 1000 D
19 x 1.5 RE/4	12.1	11	9	20.1	705	500 D, 1000 D
19 x 1.5 RE/6	12.1	11	9	20.7	712	500 D, 1000 D
19 x 1.5 RE/16	12.1	11	9	20.9	810	500 D, 1000 D
24 x 1.5 RE/6	12.1	9	8	24.0	935	500 D, 1000 D
24 x 1.5 RE/16	12.1	9	8	24.2	1050	500 D, 1000 D
30 x 1.5 RE/16	12.1	8	7	25.5	1120	500 D, 1000 D
37 x 1.5 RE/6	12.1	8	7	27.4	1251	500 D, 1000 D
37 x 1.5 RE/16	12.1	8	7	27.8	1300	500 D, 1000 D
44 x 1.5 RE/16	12.1	7	6	33.0	1500	500 D, 1000 D
48 x 1.5 RE/16	12.1	7	6	31.0	1610	500 D, 1000 D
61 x 1.5 RE/16	12.1	7	6	33.4	1950	500 D, 1000 D
2 x 2.5 RE/2.5	7.41	42	27	11.9	230	500 D, 1000 D
3 x 2.5 RE/2.5	7.41	36	25	12.1	250	500 D, 1000 D
3 x 2.5 RE/16	7.41	36	25	12.5	380	500 D, 1000 D
4 x 2.5 RE/2.5	7.41	36	25	13.0	285	500 D, 1000 D
4 x 2.5 RE/16	7.41	36	25	13.4	415	500 D, 1000 D
5 x 2.5 RE/2.5	7.41	25	19.5	14.4	340	500 D, 1000 D
5 x 2.5 RE/16	7.41	25	19.5	15.4	465	500 D, 1000 D
7 x 2.5 RE/2.5	7.41	21	17	15.4	450	500 D, 1000 D
7 x 2.5 RE/16	7.41	21	17	16.3	575	500 D, 1000 D
10 x 2.5 RE/4	7.41	18	14	19.0	570	500 D, 1000 D
10 x 2.5 RE/16	7.41	18	14	19.9	745	500 D, 1000 D
12 x 2.5 RE/4	7.41	17	13	20.0	680	500 D, 1000 D
12 x 2.5 RE/16	7.41	17	13	20.4	850	500 D, 1000 D
14 x 2.5 RE/16	7.41	16	13	21.4	925	500 D, 1000 D
16 x 2.5 RE/6	7.41	15	12	22.0	830	500 D, 1000 D
16 x 2.5 RE/16	7.41	15	12	23.0	1100	500 D, 1000 D
19 x 2.5 RE/6	7.41	14	11	22.7	1085	500 D, 1000 D
19 x 2.5 RE/16	7.41	14	11	24.2	1190	500 D, 1000 D
24 x 2.5 RE/10	7.41	12	10	27.0	1240	500 D, 1000 D
24 x 2.5 RE/16	7.41	12	10	27.4	1310	500 D, 1000 D
30 x 2.5 RE/16	7.41	11	9	28.7	1670	500 D, 1000 D
37 x 2.5 RE/16	7.41	11	9	31.2	1970	500 D, 1000 D

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Number of cores x nominal cross-section / cross-section of screen (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 (m)
E-YCY						
48 x 2.5 RE/16	7.41	9	8	34.4	2440	500 D, 1000 D
2 x 4 RE/4	4.61	54	37	13.9	340	500 D, 1000 D
2 x 4 RE/16	4.61	54	37	14.7	445	500 D, 1000 D
3 x 4 RE/4	4.61	46	34	14.7	360	500 D, 1000 D
4 x 4 RE/4	4.61	46	34	15.7	430	500 D, 1000 D
4 x 4 RE/16	4.61	46	34	16.0	530	500 D, 1000 D
5 x 4 RE/4	4.61	32	25	17.0	490	500 D, 1000 D
5 x 4 RE/16	4.61	32	25	17.9	605	500 D, 1000 D
7 x 4 RE/4	4.61			18.3	664	500 D, 1000 D
7 x 4 RE/16	4.61			20.0	739	500 D, 1000 D
14 x 4 RE/16	4.61			25.6	1237	500 D, 1000 D
2 x 6 RE/6	3.08	68	48	15.5	390	500 D, 1000 D
2 x 6 RE/16	3.08	68	48	16.0	480	500 D, 1000 D
3 x 6 RE/6	3.08	58	43	16.2	460	500 D, 1000 D
4 x 6 RE/6	3.08	58	43	17.5	550	500 D, 1000 D
4 x 6 RE/16	3.08	58	43	17.6	635	500 D, 1000 D
5 x 6 RE/16	3.08	41	32	19.3	730	500 D, 1000 D
2 x 10 RM/6	1.83	90	66	18.1	574	500 D, 1000 D
2 x 10 RE/16	1.83	90	66	17.5	600	500 D, 1000 D
4 x 10 RE/16	1.83	78	59	19.6	850	500 D, 1000 D
4 x 10 RM/16	1.83	78	59	20.6	875	500 D, 1000 D
2 x 16 RE/16	1.15	116	89	19.5	805	500 D, 1000 D
3 x 16 RE/16	1.15	101	78	21.0	940	500 D, 1000 D
4 x 16 RE/10	1.15	101	78	22.8	1143	500 D, 1000 D
4 x 16 RM/16	1.15	101	78	23.9	1190	500 D, 1000 D
3 x 25 RM/16	0.727	132	105	25.0	1420	500 D, 1000 D
4 x 25 RM/16	0.727	132	105	28.1	1640	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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