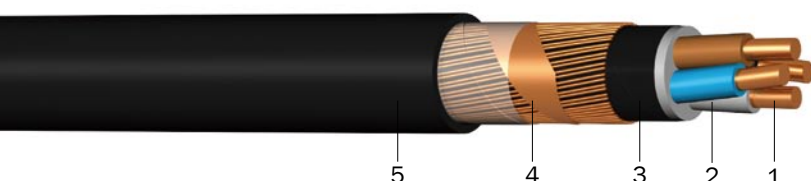


E–YCY

Underground cable with PVC insulation and PVC sheath, screened

DESIGN



- 1 | Copper conductor, round solid (RE), resp. round stranded (RM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM and PVC)
- 4 | Concentric screen (bare copper wires) and counter helix (copper tape) and 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/ÖNORM E 8200-603 (HD 603),
ÖVE/ÖNORM E 8200-627 (HD 627)



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
laying temperature: min. –5 °C
operating temperature: –50 °C 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:
flame retardant:
EN 60332-1-2



Certificate:
EZÚ Czech Republic, ÖVE Austria,
CU-TR Russia, Belarus and Kazakhstan

Number of cores x nominal cross section/cross section of screen (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–YCY						
2 x 1.5 RE/1.5	12.100	32	20	10.8	185	500 D, 1,000 D
2 x 1.5 RE/16	12.100	32	20	12.1	315	500 D, 1,000 D
3 x 1.5 RE/1.5	12.100	27	19	11.2	205	500 D, 1,000 D
3 x 1.5 RE/16	12.100	27	19	12.5	330	500 D, 1,000 D
4 x 1.5 RE/1.5	12.100	27	19	11.7	230	500 D, 1,000 D
4 x 1.5 RE/16	12.100	27	19	14.0	365	500 D, 1,000 D
5 x 1.5 RE/1.5	12.100	19	14	12.8	255	500 D, 1,000 D
5 x 1.5 RE/16	12.100	19	14	14.1	375	500 D, 1,000 D
7 x 1.5/2.5	12.100	16	12	14.4	335	500 D, 1,000 D
7 x 1.5/16	12.100	16	12	17.8	460	500 D, 1,000 D
10 x 1.5/2.5	12.100	13	10	16.9	470	500 D, 1,000 D
10 x 1.5/16	12.100	13	10	18.1	590	500 D, 1,000 D
12 x 1.5/2.5	12.100	12	10	16.2	480	500 D, 1,000 D
12 x 1.5/16	12.100	12	10	17.6	615	500 D, 1,000 D

E-YCY

Number of cores x nominal cross section/cross section of screen (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-YCY						
14 x 1.5/16	12.100	12	9	19.2	680	500 D, 1,000 D
16 x 1.5/4	12.100	11	9	20.0	585	500 D, 1,000 D
16 x 1.5/16	12.100	11	9	21.0	720	500 D, 1,000 D
19 x 1.5/4	12.100	11	9	20.1	705	500 D, 1,000 D
19 x 1.5/16	12.100	11	9	20.9	810	500 D, 1,000 D
24 x 1.5/6	12.100	9	8	24.0	935	500 D, 1,000 D
24 x 1.5/16	12.100	9	8	24.2	1,050	500 D, 1,000 D
30 x 1.5/16	12.100	8	7	25.5	1,120	500 D, 1,000 D
37 x 1.5/16	12.100	8	7	27.8	1,300	500 D, 1,000 D
44 x 1.5/16	12.100	7	6	33.0	1,500	500 D, 1,000 D
48 x 1.5/16	12.100	7	6	31.0	1,610	500 D, 1,000 D
61 x 1.5/16	12.100	7	6	33.4	1,950	500 D, 1,000 D
2 x 2.5 RE/2.5	7.410	42	27	11.9	230	500 D, 1,000 D
3 x 2.5 RE/2.5	7.410	36	25	12.1	250	500 D, 1,000 D
3 x 2.5 RE/16	7.410	36	25	12.5	380	500 D, 1,000 D
4 x 2.5 RE/2.5	7.410	36	25	13.0	285	500 D, 1,000 D
4 x 2.5 RE/16	7.410	36	25	13.4	415	500 D, 1,000 D
5 x 2.5 RE/2.5	7.410	25	19	14.4	340	500 D, 1,000 D
5 x 2.5 RE/16	7.410	25	19	15.4	465	500 D, 1,000 D
7 x 2.5/2.5	7.410	21	17	15.4	450	500 D, 1,000 D
7 x 2.5/16	7.410	21	17	16.3	575	500 D, 1,000 D
10 x 2.5/16	7.410	18	14	19.9	745	500 D, 1,000 D
12 x 2.5/16	7.410	17	13	20.4	850	500 D, 1,000 D
14 x 2.5/16	7.410	16	13	21.4	925	500 D, 1,000 D
16 x 2.5/6	7.410	15	12	22.0	830	500 D, 1,000 D
16 x 2.5/16	7.410	15	12	23.0	1,100	500 D, 1,000 D
19 x 2.5/16	7.410	14	11	24.2	1,190	500 D, 1,000 D
24 x 2.5/16	7.410	12	10	27.4	1,310	500 D, 1,000 D
30 x 2.5/16	7.410	11	9	28.7	1,670	500 D, 1,000 D
37 x 2.5/16	7.410	11	9	31.2	1,970	500 D, 1,000 D
48 x 2.5/16	7.410	9	8	34.4	2,440	500 D, 1,000 D
2 x 4 RE/4	4.610	54	37	13.9	340	500 D, 1,000 D
2 x 4 RE/16	4.610	54	37	14.7	445	500 D, 1,000 D
3 x 4 RE/4	4.610	46	34	14.7	360	500 D, 1,000 D
4 x 4 RE/4	4.610	46	34	15.7	430	500 D, 1,000 D
4 x 4 RE/16	4.610	46	34	16.0	530	500 D, 1,000 D
5 x 4 RE/16	4.610	32	25	17.9	605	500 D, 1,000 D
2 x 6 RE/6	3.080	68	48	15.5	390	500 D, 1,000 D
2 x 6 RE/16	3.080	68	48	16.0	480	500 D, 1,000 D
3 x 6 RE/6	3.080	58	43	16.2	460	500 D, 1,000 D
4 x 6 RE/6	3.080	58	43	17.5	550	500 D, 1,000 D
4 x 6 RE/16	3.080	58	43	17.6	635	500 D, 1,000 D

E-YCY

Number of cores x nominal cross section/cross section of screen (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-YCY						
5 x 6 RE/16	3.080	41	32	19.3	730	500 D, 1,000 D
2 x 10 RE/16	1.830	90	66	17.5	600	500 D, 1,000 D
4 x 10 RE/16	1.830	78	59	19.6	850	500 D, 1,000 D
4 x 10 RM/16	1.830	78	59	20.6	875	500 D, 1,000 D
5 x 10 RM/16	1.830	55	44	23.7	1,020	500 D, 1,000 D
2 x 16 RE/16	1.150	116	89	19.5	805	500 D, 1,000 D
3 x 16 RE/16	1.150	101	78	21.0	940	500 D, 1,000 D
4 x 16 RE/16	1.150	101	78	22.2	1,140	500 D, 1,000 D
4 x 16 RM/16	1.150	101	78	23.9	1,190	500 D, 1,000 D
5 x 16 RM/16	1.150	71	59	26.0	1,380	500 D, 1,000 D
3 x 25 RM/16	0.727	132	105	25.0	1,420	500 D, 1,000 D
4 x 25 RM/16	0.727	132	105	28.1	1,640	500 D, 1,000 D

1) basic rated current acc. to ÖVE/ÖNORM E 8200-603 (HD 603), ÖVE/ÖNORM E 8200-627 (HD 627)
Subject to technical changes.