

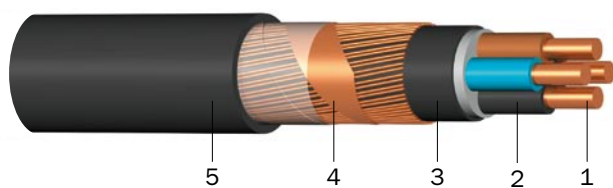
E-YCY

Underground cable with PVC-insulation and PVC-sheath, screened

Standard: ÖVE K 23 and K 603 (HD 603)

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 a protection against touch voltages caused by mechanical damage or an electrical screening is required.



Construction:

- 1 Copper conductor, round single wire (RE) resp. round multi wire (RM)
- 2 Insulation (PVC)
- 3 Common covering (EPDM) for multicore versions
- 4 Concentric conductor resp. screen (bare copper wires) and counter helix
- 5 Sheath (PVC black)



Rated voltage: 0.6/1 kV



Test voltage: 4000 Veff



Temperature range:

During installation: min. -5 °C
 Operating temperature: -30 °C to +70 °C
 Conductor temperature: max. +70 °C
 Short circuit temperature of the conductor: max. +160 °C/5 s



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



Core identification: coloured (ÖVE) or black with number printing



Flammability:

Self extinguishing (EN 50265-2-1, IEC 60332-1)



Certification mark: ÖVE Austria

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating buried in earth ¹⁾ (A)	Current rating in air ¹⁾ (A)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
E-YCY								
2 x 1.5 RE/1.5	12.100	32.0	20.0	10.8	58	181	500 T, 1000 T	2,278.41
3 x 1.5 RE/1.5	12.100	27.0	19.5	11.2	73	204	500 T, 1000 T	2,298.17
4 x 1.5 RE/1.5	12.100	27.0	19.5	11.7	88	235	500 T, 1000 T	2,548.71
5 x 1.5 RE/1.5	12.100	19.0	14.5	12.8	103	263	500 T, 1000 T	2,842.56
2 x 1.5 RE/16	12.100	32.0	20.0	12.1	220	313	500 T, 1000 T	a, A,
3 x 1.5 RE/16	12.100	27.0	19.5	12.5	235	328	500 T, 1000 T	a, A,
4 x 1.5 RE/16	12.100	27.0	19.5	14.0	250	367	500 T, 1000 T	3,908.10
5 x 1.5 RE/16	12.100	19.0	14.5	14.1	270	387	500 T, 1000 T	a, A,
2 x 2.5 RE/2.5	7.410	42.0	27.0	11.9	88	231	500 T, 1000 T	2,659.76
3 x 2.5 RE/2.5	7.410	36.0	25.0	12.1	113	251	500 T, 1000 T	2,748.97
4 x 2.5 RE/2.5	7.410	36.0	25.0	13.0	138	287	500 T, 1000 T	3,054.86
5 x 2.5 RE/2.5	7.410	25.0	19.5	14.4	163	337	500 T, 1000 T	3,582.99
3 x 2.5 RE/16	7.410	36.0	25.0	12.5	265	379	500 T, 1000 T	a, A,
4 x 2.5 RE/16	7.410	36.0	25.0	13.4	290	419	500 T, 1000 T	4,439.65
5 x 2.5 RE/16	7.410	25.0	19.5	15.4	315	462	500 T, 1000 T	4,762.62
2 x 4 RE/4	4.610	54.0	37.0	13.9	133	323	500 T, 1000 T	3,373.70
3 x 4 RE/4	4.610	46.0	34.0	14.7	168	365	500 T, 1000 T	3,581.31
4 x 4 RE/4	4.610	46.0	34.0	15.7	208	442	500 T, 1000 T	4,154.06

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E-YCY								
2 x 4 RE/16	4.610	54.0	37.0	14.7	270	432	500 T, 1000 T	4,512.77
3 x 4 RE/16	4.610	46.0	34.0	15.5	310	483	500 T, 1000 T	4,602.82
4 x 4 RE/16	4.610	46.0	34.0	16.0	350	542	500 T, 1000 T	5,070.89
5 x 4 RE/16	4.610	32.0	25.5	17.9	390	607	500 T, 1000 T	5,617.32
2 x 6 RE/6	3.080	68.0	48.0	15.5	195	394	500 T, 1000 T	4,050.97
3 x 6 RE/6	3.080	58.0	43.0	16.2	250	467	500 T, 1000 T	4,395.70
4 x 6 RE/6	3.080	58.0	43.0	17.5	309	551	500 T, 1000 T	5,066.43
2 x 6 RE/16	3.080	68.0	48.0	16.0	310	477	500 T, 1000 T	4,629.12
4 x 6 RE/16	3.080	58.0	43.0	17.6	430	639	500 T, 1000 T	5,932.94
5 x 6 RE/16	3.080	41.0	32.0	19.3	490	726	500 T, 1000 T	6,662.41
2 x 10 RE/16	1.830	90.0	66.0	17.5	390	600	500 T, 1000 T	5,871.70
4 x 10 RE/16	1.830	78.0	59.0	19.6	590	856	500 T, 1000 T	7,845.40
4 x 10 RM/16	1.830	78.0	59.0	20.6	590	883	500 T, 1000 T	8,346.99
5 x 10 RM/16	1.830	55.0	44.0	23.7	690	1,040	500 T, 1000 T	9,549.06
2 x 16 RE/16	1.150	116.0	89.0	19.5	510	808	500 T, 1000 T	7,232.99
3 x 16 RE/16	1.150	101.0	78.0	21.0	670	951	500 T, 1000 T	8,695.83
4 x 16 RE/16	1.150	101.0	78.0	22.2	830	1,143	500 T, 1000 T	10,426.52
4 x 16 RM/16	1.150	101.0	78.0	23.9	830	1,189	500 T, 1000 T	10,669.83
5 x 16 RM/16	1.150	71.0	59.0	26.0	990	1,410	500 T, 1000 T	13,051.49
3 x 25 RM/16	0.727	132.0	105.0	25.0	940	1,419	500 T, 1000 T	10,415.16
4 x 25 RM/16	0.727	132.0	105.0	28.1	1,190	1,678	500 T, 1000 T	13,705.57
7 x 1.5/2.5	12.100	16.0	12.5	14.4	143	327	500 T, 1000 T	3,684.05
7 x 1.5/16	12.100	16.0	12.5	17.8	295	449	500 T, 1000 T	4,794.91
10 x 1.5/2.5	12.100	13.5	10.5	16.9	188	468	500 T, 1000 T	4,509.70
10 x 1.5/16	12.100	13.5	10.5	18.1	340	588	500 T, 1000 T	5,709.07
12 x 1.5/2.5	12.100	12.5	10.0	16.2	218	479	500 T, 1000 T	4,759.54
12 x 1.5/16	12.100	12.5	10.0	17.6	370	613	500 T, 1000 T	6,180.55
14 x 1.5/16	12.100	12.0	9.5	19.2	400	676	500 T, 1000 T	7,029.94
16 x 1.5/4	12.100	11.0	9.0	20.0	288	585	500 T, 1000 T	6,316.21
16 x 1.5/16	12.100	11.0	9.0	21.0	430	720	500 T, 1000 T	7,676.55
19 x 1.5/4	12.100	11.0	9.0	20.1	333	693	500 T, 1000 T	6,919.29
19 x 1.5/16	12.100	11.0	9.0	20.9	475	808	500 T, 1000 T	8,207.78
24 x 1.5/6	12.100	9.5	8.0	24.0	435	931	500 T, 1000 T	8,494.72
24 x 1.5/16	12.100	9.5	8.0	24.2	550	1,041	500 T, 1000 T	9,380.63
30 x 1.5/16	12.100	8.5	7.5	25.5	640	1,119	500 T, 1000 T	11,244.79
37 x 1.5/16	12.100	8.0	7.0	27.8	745	1,300	500 T, 1000 T	12,622.38
44 x 1.5/16	12.100	7.5	6.5	31.7	850	1,437	500 T, 1000 T	15,127.00
48 x 1.5/16	12.100	7.0	6.0	31.0	910	1,601	500 T, 1000 T	15,511.13
61 x 1.5/16	12.100	7.0	6.0	33.4	1,105	1,945	500 T, 1000 T	19,681.19
7 x 2.5/2.5	7.410	21.5	17.0	15.4	208	448	500 T, 1000 T	4,352.53
7 x 2.5/16	7.410	21.5	17.0	16.3	365	572	500 T, 1000 T	5,775.72
10 x 2.5/4	7.410	18.0	14.5	19.0	298	570	500 T, 1000 T	5,670.88

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E-YCY								
10 x 2.5/16	7.410	18.0	14.5	19.9	440	742	500 T, 1000 T	7,002.22
12 x 2.5/4	7.410	17.0	13.5	20.0	348	680	500 T, 1000 T	6,555.47
12 x 2.5/16	7.410	17.0	13.5	20.4	490	847	500 T, 1000 T	7,759.82
14 x 2.5/16	7.410	16.0	13.0	21.4	540	922	500 T, 1000 T	8,371.99
16 x 2.5/6	7.410	15.0	12.0	22.0	470	830	500 T, 1000 T	8,933.81
16 x 2.5/16	7.410	15.0	12.0	23.0	590	1,100	500 T, 1000 T	9,495.39
19 x 2.5/16	7.410	14.5	11.5	24.0	665	1,188	500 T, 1000 T	9,670.65
24 x 2.5/10	7.410	12.5	10.5	27.0	725	1,240	500 T, 1000 T	11,573.80
24 x 2.5/16	7.410	12.5	10.5	27.4	790	1,308	500 T, 1000 T	12,000.68
30 x 2.5/16	7.410	11.5	9.5	28.7	940	1,670	500 T, 1000 T	14,741.89
37 x 2.5/16	7.410	11.0	9.0	31.2	1,115	1,968	500 T, 1000 T	17,310.84
48 x 2.5/16	7.410	9.0	8.0	34.4	1,390	2,431	500 T, 1000 T	21,558.56
7 x 4/16	4.610	27.5	22.0	19.1	470	774	500 T, 1000 T	7,494.57

1) Basic current rating according to ÖVE K 23 and K 603 (HD603), bzw. K 627 (HD 627)

Subject to technical changes. All figures are therefore without guarantee.