

# E-YY-J • E-YY-O



A power cable suitable for use in air, soil, concrete, in enclosed locations, cable ducts, power plants, industrial applications, city power grids – where mechanical damages are not expected, and cables are not exposed to excessive pulling forces. HD 603 S1:1994/A3:2007, IEC60332-1-2.



## Specifications

Temperature limits.....	-30 °C to +70 °C
Max. temperature of conductor.....	+70 °C
Short-circuit temperature:	
For cross-section area $\leq 300\text{mm}^2$ .....	+160 °C
For cross-section area $> 300\text{mm}^2$ .....	+140 °C
Bending radius:	
• single-core cables.....	15 x overall diameter
• multi-core cables.....	12 x overall diameter

Colors available: Black.

Core Identification:

E-YY -J:

1 cond. : Green/Yellow

3 cond. : Green/Yellow – Brown – Blue

4 cond. : Green/Yellow – Grey – Black – Brown

5 cond. : Green/Yellow – Grey – Black – Brown – Blue

E-YY-O

1 cond. : black

2 cond. : brown, blue

3 cond. : brown, black, grey

4 cond. : blue, brown, black, grey

5 cond. : blue, brown, black, grey, black

*We reserve the right to make technical alterations and misprint without prior notice.*

Type of cable	Construction	External diameter, mm	Insulation thickness, nominal mm	Sheath thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Cable weight, approx. kg/km
E-YY	1x16 RM	10	1.0	1.5	1.15	227
E-YY	1x25 RM	11.7	1.2	1.5	0.727	331
E-YY	1x35 RM	12.8	1.2	1.5	0.524	428
E-YY	1x50 RM	14.4	1.4	1.5	0.387	571
E-YY	1x70 RM	16.0	1.4	1.5	0.268	770
E-YY	1x95 RM	18.2	1.6	1.5	0.193	1035
E-YY	1x120 RM	19.7	1.6	1.5	0.153	1265
E-YY	1x150 RM	21.6	1.8	1.5	0.124	1533
E-YY	1x185 RM	24.2	2.0	1.7	0.0991	1905
E-YY	1x240 RM	27.0	2.2	1.7	0.0754	2457
E-YY	1x300 RM	30.6	2.4	1.7	0.0601	3128
E-YY	1x400 RM	34.8	2.6	1.9	0.0470	4110
E-YY	1x500 RM	38.2	2.8	1.9	0.0366	5051
E-YY	1x630 RM	41.6	2.8	1.9	0.0283	6367
E-YY	2x1.5 RE	8.8	0.7	1.4	12.1	121
E-YY	2x2.5 RE	9.8	0.7	1.5	7.41	157
E-YY	2x4 RE	11.5	0.9	1.5	4.61	228
E-YY	2x6 RE	12.5	0.9	1.5	3.08	289
E-YY	2x10 RE	16.2	1.0	1.5	1.83	484
E-YY	2x16 RM	18.2	1.0	1.5	1.15	657
E-YY	2x25 RM	21.5	1.2	1.5	0.727	958
E-YY	2x35 RM	24.2	1.2	1.7	0.524	1247
E-YY	2x50 RM	27.4	1.4	1.7	0.387	1654
E-YY	2x70 RM	30.6	1.4	1.7	0.268	2189
E-YY	2x95 RM	36.2	1.6	1.9	0.193	3050
E-YY	2x120 RM	39.2	1.6	1.9	0.153	3683
E-YY	2x150 RM	43.0	1.8	1.9	0.124	4458
E-YY	2x185 RM	48.4	2.0	2.2	0.0991	5584
E-YY	2x240 RM	54.0	2.2	2.2	0.0754	7130
E-YY	3x1.5 RE	9.2	0.7	1.4	12.1	141
E-YY	3x2.5 RE	10.2	0.7	1.5	7.41	185
E-YY	3x4 RE	12.1	0.9	1.5	4.61	272
E-YY	3x6 RE	13.2	0.9	1.5	3.08	350
E-YY	3x10 RE	17.1	1.0	1.5	1.83	588

*\*The number of wires, as well as their diameter in the core, may differ from specified, subject to compliance with the requirements for electrical resistance.*

Type of cable	Construction	External diameter, mm	Insulation thickness, nominal mm	Sheath thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Cable weight, approx. kg/km
E-YY	3x16 RM	19.3	1.0	1.5	1.15	812
E-YY	3x25 RM	22.9	1.2	1.5	0.727	1195
E-YY	3x35 RM	25.7	1.2	1.7	0.524	1567
E-YY	3x50 RM	29.2	1.4	1.7	0.387	2092
E-YY	3x70 RM	33.8	1.4	1.9	0.268	2908
E-YY	3x95 RM	38.5	1.6	1.9	0.193	3893
E-YY	3x120 RM	41.8	1.6	1.9	0.153	4726
E-YY	3x150 RM	46.5	1.8	2.2	0.124	5794
E-YY	3x185 RM	51.6	2	2.2	0.0991	7160
E-YY	3x240 RM	58.4	2.2	2.6	0.0754	9296
E-YY	3x300 RM	66.8	2.4	2.9	0.0601	11949
E-YY	3x400 RM	75.0	2.6	2.9	0.0470	15470
E-YY	4x1.5 RE	10.2	0.7	1.5	12.1	174
E-YY	4x2.5 RE	11.1	0.7	1.5	7.41	225
E-YY	4x4 RE	13.2	0.9	1.5	4.61	333
E-YY	4x6 RE	14.4	0.9	1.5	3.08	433
E-YY	4x10 RE	18.7	1	1.5	1.83	729
E-YY	4x16 RM	21.1	1	1.5	1.15	1015
E-YY	4x25 RM	25.5	1.2	1.7	0.727	1528
E-YY	4x35 RM	28.2	1.2	1.7	0.524	1977
E-YY	4x50 RM	32.9	1.4	1.7	0.387	2726
E-YY	4x70 RM	37.2	1.4	1.9	0.268	3684
E-YY	4x95 RM	42.5	1.6	1.9	0.193	4949
E-YY	4x120 RM	46.7	1.6	2.2	0.153	6090
E-YY	4x150 RM	51.7	1.8	2.2	0.124	7445
E-YY	4x185 RM	57.8	2	2.6	0.0991	9238
E-YY	4x240 RM	64.6	2.2	2.6	0.0754	11862
E-YY	4x300 RM	69.8	2.4	2.9	0.0601	14834
E-YY	5x1.5 RE	11.0	0.7	1.5	12.1	206
E-YY	5x2.5 RE	12.0	0.7	1.5	7.41	269
E-YY	5x4 RE	14.3	0.9	1.5	4.61	402
E-YY	5x6 RE	15.7	0.9	1.5	3.08	526
E-YY	5x10 RE	20.3	1	1.5	1.83	876
E-YY	5x16 RM	23.1	1	1.5	1.15	1240

*\*The number of wires, as well as their diameter in the core, may differ from specified, subject to compliance with the requirements for electrical resistance.*

Type of cable	Construction	External diameter, mm	Insulation thickness, nominal mm	Sheath thickness, nominal mm	Conductor resistance at 20 °C, max Ω/km	Cable weight, approx. kg/km
E-YY	5x25 RM	28.0	1.2	1.7	0.727	1872
E-YY	5x35 RM	31.0	1.2	1.7	0.524	2430
E-YY	5x50 RM	36.6	1.4	1.9	0.387	3384
E-YY	5x70 RM	42.0	1.4	1.9	0.268	4602
E-YY	5x95 RM	47.4	1.6	2.2	0.193	6173
E-YY	5x120 RM	51.5	1.6	2.2	0.153	7516
E-YY	5x150 RM	57.4	1.8	2.6	0.124	9233
E-YY	5x185 RM	63.8	2.0	2.6	0.0991	11405
E-YY	5x240 RM	71.9	2.2	2.9	0.0754	14771
E-YY	4x50 SM	28.5	1.4	1.7	0.387	2206
E-YY	4x70 SM	31.3	1.4	1.7	0.268	2943
E-YY	4x95 SM	36.5	1.6	1.9	0.193	4021
E-YY	4x120 SM	38.9	1.6	1.9	0.153	4951
E-YY	4x150 SM	44.5	1.8	2.2	0.124	6126
E-YY	4x185 SM	49.5	2.0	2.2	0.0991	7533
E-YY	4x240 SM	57.1	2.2	2.6	0.0754	9886

*\*The number of wires, as well as their diameter in the core, may differ from specified, subject to compliance with the requirements for electrical resistance.*