We Make Modern
Life Possible.

COPPER 0,6/1 KV

NYY-J or NYY-O

PVC/PVC copper energy cables

The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the outdoor environment.



TECHNICAL DATA

Standard
DIN VDE 0276-603 (HD 603), HD 627

Certificate
VDE Germany

Test Voltage
core/core 4 kV / 50 Hz

Rated Voltage
0.6/1 kV

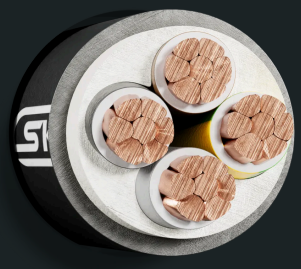
Bending radius (min.)
12 x Ø of cable (singlecore)
15 x Ø of cable (multicore)

Fire properties
EN 60332-1-2: flame retardant and self-extinguishing
CPR classification: Eca

Core identification
HD 308 S2

Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 140°C

DESIGN



1. Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
2. Core insulation (PVC)
3. Inner covering (EPDM)
4. Sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 4 RE	4.61	71	47	9.1	110
1 x 6 RE	3.08	90	59	9.5	130
1 x 10 RE	1.83	124	81	9.7	175
1 x 10 RM	1.83	124	81	10.0	185
1 x 16 RE	1.15	160	107	10.6	230
1 x 16 RM	1.15	160	107	10.9	245
1 x 25 RM	0.727	208	144	12.6	350
1 x 35 RM	0.524	250	176	13.8	455
1 x 50 RM	0.387	296	214	15.4	595
1 x 70 RM	0.268	365	270	17.0	800
1 x 95 RM	0.193	438	334	19.1	1100
1 x 120 RM	0.153	501	389	20.6	1350
1 x 150 RM	0.124	563	446	22.2	1610
1 x 185 RM	0.099	639	516	24.6	2060
1 x 240 RM	0.075	746	618	27.6	2590
1 x 300 RM	0.060	848	717	30.5	3260
1 x 400 RM	0.047	975	843	34.3	4210
1 x 500 RM	0.037	1125	994	37.7	5210
1 x 630 RM	0.028	777	858	42.5	6650
2 x 1.5 RE	12.1	33	22	11.5	160
2 x 2.5 RE	7.41	43	30	12.3	235
2 x 4 RE	4.61	54	37	14.1	315
2 x 6 RE	3.08	68	48	15.1	390
2 x 10 RE	1.83	90	66	17.0	550
2 x 10 RM	1.83	90	66	18.0	575
2 x 25 RM	0.727	151	120	23.1	1100
2 x 35 RM	0.524	133	106	25.6	1285
3 x 1.5 RE	12.1	27	20	12.0	205
3 x 2.5 RE	7.41	36	25	12.5	260
3 x 4 RE	4.61	47	34	14.5	355
3 x 6 RE	3.08	59	43	15.5	430
3 x 10 RE	1.83	79	59	17.5	600
3 x 10 RM	1.83	79	59	18.2	650
3 x 16 RE	1.15	102	79	19.0	810
3 x 16 RM	1.15	102	79	21.4	940
3 x 25 RM	0.727	133	106	24.5	1330
3 x 35 SM	0.524	159	129	22.5	1231
3 x 50 SM	0.387	188	157	25.6	1800
3 x 70 SM	0.268	232	199	29.5	2500
3 x 25 + 16 RM/RE	0.727	133	106	26.7	1400
3 x 50 + 25 SM/RM	0.387	188	157	34.4	2330
3 x 70 + 35 SM/SM	0.268	232	199	43.0	3060
3 x 95 + 50 SM/SM	0.193	280	246	42.8	4160
3 x 120 + 70 SM/SM	0.153	318	285	46.6	5150

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
3 x 150 + 70 SM/SM	0.124	359	326	50.4	6090
3 x 185 + 95 SM/SM	0.099	406	374	54.4	7460
3 x 240 + 120 SM/SM	0.075	473	445	60.8	9900
3 x 300 + 150 SM/RM	0.060	535	511	66.3	11980
4 x 1.5 RE	12.1	27	20	12.8	240
4 x 2.5 RE	7.41	36	25	13.8	310
4 x 4 RE	4.61	47	34	15.8	425
4 x 6 RE	3.08	59	43	17.1	525
4 x 10 RE	1.83	79	59	19.0	790
4 x 10 RM	1.83	79	59	19.0	740
4 x 16 RE	1.15	102	79	23.0	1060
4 x 16 RM	1.15	102	79	22.0	1040
4 x 25 RM	0.727	133	106	26.7	1550
4 x 35 RM	0.524	159	129	29.6	2010
4 x 35 SM	0.524	159	129	27.6	1900
4 x 50 SM	0.387	188	157	34.4	2450
4 x 70 SM	0.268	232	199	43.0	3290
4 x 95 SM	0.193	280	246	46.6	4550
4 x 120 SM	0.153	318	285	46.6	5570
4 x 150 SM	0.124	359	326	50.4	6720
4 x 185 SM	0.099	406	374	57.0	8560
4 x 240 SM	0.075	473	445	63.2	11140
4 x 300 SM	0.060	535	511	62.4	13127
5 x 1.5 RE	12.1	27	20	14.7	280
5 x 2.5 RE	7.41	54	25	14.8	345
5 x 4 RE	4.61	47	34	16.2	495
5 x 6 RE	3.08	59	43	18.5	615
5 x 10 RE	1.83	79	59	20.5	885
5 x 10 RM	1.83	79	59	21.5	940
5 x 16 RE	1.15	102	79	24.5	1230
5 x 16 RM	1.15	102	79	24.8	1310
5 x 25 RM	0.727	133	106	29.9	1920
5 x 35 RM	0.524	159	129	33.1	2474
5 x 50 RM	0.387	188	157	40.0	3343
5 x 70 RMv	0.268	232	199	42.4	4520
5 x 95 RMv	0.193	280	246	50.0	6119
5 x 120 RM	0.153	318	285	51.3	7517
5 x 150 RM	0.124	359	326	58.5	9164
5 x 185 RM	0.099	406	374	63.0	11381
5 x 240 RM	0.075	473	445	69.9	14717
7 x 1,5 RE	0.124	359	326	16.0	300
7 x 2,5 RE	7.41	36	25	17.0	420
7 x 4 RE	4.61	47	34	19.0	630
7 x 6 RE	3.08	59	43	21.0	840

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
7 x 10 RE	1.83	79	59	23.0	1150
10 x 2,5 RE	1.2	36	25	20.0	500
12 x 2,5 RE	7.41	36	25	21.0	560
14 x 1,5 RE	8.41	27	19	20.0	450
14 x 2,5 RE	7.41	36	25	21.0	630
19 x 1,5 RE	12.1	27	19	22.0	560
21 x 1,5 RE	12.1	27	19	23.0	620
24 x 1,5 RE	12.1	27	19	25.0	700
24 x 2,5 RE	7.41	36	25	27.0	1050
30 x 1,5 RE	12.1	27	195	26.0	810
30 x 2,5 RE	7.41	36	25	28.0	1250
40 x 1,5 RE	12.1	8	7	29.2	1410
40 x 2,5 RE	7.41	11	9	32.2	1894
52 x 1,5 RE	12.1	27	19	32.0	1400
52 x 2,5 RE	7.41	36	25	35.0	2150

Technical changes reserved. All figures are therefore without guarantee.



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