We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

N2XY

XLPE/PVC copper energy cable

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 no risk of any mechanical damage is to be expected.



TECHNICAL DATA

Standard
DIN VDE 0276-603 (HD 603)

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 (multicore)
15 x Ø of cable (singlecore)

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

Core identification
HD 308 S2

Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 90°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

DESIGN



1. Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
2. Core insulation (XLPE)
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)
2 x 1.5 RE	12.1	31	24	13.2	236
3 x 1.5 RE	12.1	31	24	13.7	258
4 x 1.5 RE	12.1	31	24	14.4	288
2 x 2.5 RE	7.41	40	32	14.0	276
3 x 2.5 RE	7.41	40	32	14.5	306
4 x 2.5 RE	7.41	40	32	15.3	348
2 x 4 RE	4.61	52	42	14.9	326
3 x 4 RE	4.61	52	42	15.5	369
4 x 4 RE	4.61	52	42	16.4	424
2 x 6 RE	3.08	64	53	15.8	391
3 x 6 RE	3.08	64	53	16.5	450
4 x 6 RE	3.08	64	53	17.5	525
2 x 10 RE	1.83	86	74	17.6	523
3 x 10 RE	1.83	86	74	18.5	618
3 x 10 RM	1.83	86	74	18.9	639
4 x 10 RE	1.83	86	74	19.7	735
4 x 10 RM	1.83	86	74	20.2	758
1 x 16 RM	1.15	176	131	10.7	238
2 x 16 RE	1.15	112	98	19.5	690
2 x 16 RM	1.15	112	98	19.9	715
3 x 16 RE	1.15	112	98	20.4	835
3 x 16 RM	1.15	112	98	20.9	862
4 x 16 RE	1.15	112	98	21.9	1006
4 x 16 RM	1.15	112	98	22.5	1039
1 x 25 RM	0.727	229	177	12.3	341
2 x 25 RM	0.727	145	133	23.0	1009
3 x 25 RM	0.727	145	133	24.3	1237
4 x 25 RM	0.727	145	133	26.2	1506
1 x 35 RM	0.524	275	217	13.3	438
2 x 35 RM	0.524	174	162	25.1	1273
3 x 35 RM	0.524	174	162	26.6	1581
4 x 35 SM	0.524	174	162	26.3	1767
4 x 35 RM	0.524	174	162	28.8	1941
1 x 50 RM	0.387	326	265	14.8	566
2 x 50 RM	0.387	206	197	28.0	1633
4 x 50 SM	0.387	206	197	29.9	2300
4 x 50 RM	0.387	206	197	32.4	2531
1 x 70 RM	0.268	400	336	16.7	775
4 x 70 SM	0.268	254	250	33.9	3200
1 x 95 RM	0.193	480	415	18.4	1026
4 x 95 SM	0.193	305	308	38.2	4243
1 x 120 RM	0.153	548	485	19.9	1263
4 x 120 SM	0.153	348	359	41.8	5269
1 x 150 RM	0.124	616	557	21.8	1538

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)
4 x 150 SM	0.124	392	412	47.0	6464
1 x 185 RM	0.099	698	646	23.9	1896
3 x 185 SM	0.099	444	475	44.8	6061
4 x 185 SM	0.099	444	475	52.3	8005
1 x 240 RM	0.075	815	774	26.5	2438
3 x 240 SM	0.075	517	564	49.9	7813
4 x 240 SM	0.075	517	564	58.0	10303
5 x 240 SM	0.075	517	564	67.1	13100
1 x 300 RM	0.060	927	901	29.2	3025
1 x 400 RM	0.047	1064	1060	32.9	3840
1 x 500 RM	0.037	1227	1252	36.7	4890
1 x 630 RM	0.028	1421	1486	41.1	6261

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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