



NYRY

Power cables with PVC insulation and PVC sheath, steel or Al wires armoured

APPLICATION

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.

TECHNICAL CHARACTERISTICS

Test voltage: 4 kV
 Rated voltage: 0,6/1 kV
 Bending radius (min): single-core- 15D;
 multicore- 12D
 Min. laying temperature: -5°C
 Max. conductor temperature: 70°C
 Max. short-circuit temperature: 160°C

CONSTRUCTION

Conductors: Cu conductor, class 2 acc. to EN 60228
 Insulation: PVC compound
 Bedding: Extruded elastomere or plastomere compound or plastic tape
 Armour: Galvanized steel wires or Al wires for single-core cables
 Sheath: PVC compound

STANDARD

HD 603 S1, IEC 60502-1

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

Single-core: ● Green/Yellow OR ● Black
 2-core: ● Brown ● Blue
 3-core (a): ● Green/Yellow ● Brown ● Blue
 3-core (b): ● Black ● Brown ● Grey
 4-core (a): ● Green/Yellow ● Brown ● Black ● Grey
 4-core (b): ● Blue ● Brown ● Black ● Grey
 5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

● Black

Other colours available on request

CERTIFICATION



International
 Electrotechnical
 Commission



NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
1x50	RM	0,387	187	181	19,4	446	1007
1x70	RM	0,268	234	222	20,8	624,4	1235
1x95	RM	0,193	286	264	23,6	847,4	1689
1x120	RM	0,153	331	299	24,9	1070,4	1970
1x150	RM	0,124	376	334	26,7	1338	2310
1x185	RM	0,0991	431	375	28,9	1650,2	2761
1x240	RM	0,0754	507	429	31,8	2140,8	3433
1x300	RM	0,0601	573	472	34,6	2676	4112
1x400	RM	0,0470	650	522	39,6	3568	5419
1x500	RM	0,0366	732	573	44,8	4460	6950
3x35	RM/SM	0,524	129	159	27,7	966	2008
3x50	SM	0,387	157	188	30,5	1380	2438
3x70	SM	0,268	199	232	34,0	1932	3167
3x95	SM	0,193	246	280	39,0	2622	4330
3x120	SM	0,153	285	318	42,0	3312	5216
3x150	SM	0,124	326	359	46,9	4140	6627
3x185	SM	0,0991	374	406	50,8	5106	7937
3x240	SM	0,0754	445	473	56,5	6624	9962
3x300	SM	0,0601	511	535	60,8	8280	11950
3x50+35	SM/SM	0,387/0,524	157	188	32,6	1776	3203
3x70+35	SM/SM	0,268/0,524	199	232	37,1	2352	4208
3x95+50	SM/SM	0,193/0,387	246	280	41,8	3216	5409
3x95+70	SM/SM	0,193/0,268	246	280	41,8	3408	5636
3x120+50	SM/SM	0,153/0,387	285	318	46,0	3936	6381
3x120+70	SM/SM	0,153/0,268	285	318	46,0	4128	6582
3x120+95	SM/SM	0,153/0,193	285	318	46,1	4368	6850
3x150+70	SM/SM	0,124/0,268	326	359	51,4	4992	8292
3x185+95	SM/SM	0,0991/0,193	374	406	56,1	6240	9940
3x240+120	SM/SM	0,0754/0,153	445	473	62,2	8064	12393
4x35	RM/SM	0,524	129	159	30,4	1288	2454
4x50	SM	0,387	157	188	33,8	1840	3032
4x70	SM	0,268	199	232	38,5	2576	4223
4x95	SM	0,193	246	280	43,2	3496	5405
4x120	SM	0,153	285	318	47,7	4416	6937
4x150	SM	0,124	326	359	52,1	5520	8317
4x185	SM	0,0991	374	406	56,7	6808	10039
4x240	SM	0,0754	445	473	62,9	8832	12628
4x300	SM	0,0601	511	535	68,1	11040	15184