ttcables
ELECTRIC CABLE WORKS

N2XRY

Power cables with XLPE 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; multi-core 12D
Min. laying temperature: -5°C
Max. conductor temperature: 90°C
Max. short-circuit temperature: 250°C

CONSTRUCTION

Conductors: Cu rope
Insulation: XLPE 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

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

CE
RoHS compliant
IEC International Electrotechnical Commission
REACH COMPLIANT

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°c	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm2		Ω/km	A	A	mm	kg/km	kg/km
1x50	RM	0,387	207	209	17,0	394,2	657
1x70	RM	0,268	263	256	19,3	575,3	914
1x95	RM	0,193	325	307	21,2	787,0	1174
1x120	RM	0,153	380	349	22,7	995,1	1420
1x150	RM	0,124	437	393	24,8	1235,3	1802
1x185	RM	0,0991	507	445	28,0	1537,8	2183
1x240	RM	0,0754	604	517	30,7	2016,9	2746
1x300	RM	0,0601	697	583	33,3	2560,8	3382
1x400	RM	0,0470	811	663	38,4	3308,1	4404
1x500	RM	0,0366	940	749	42,2	4258,2	5515
2x6	RM	3,08	53	64	15,8	110,4	527
2x10	RM	1,83	74	86	17,4	184	663
2x16	RM	1,15	98	112	20	294,4	963
2x25	RM	0,727	133	145	23,4	460	1331
2x35	RM	0,524	162	174	27,1	644	1852
2x50	RM	0,387	197	206	30,3	920	2308
2x70	RM	0,268	250	254	34,9	1288	3233
2x95	RM	0,193	308	305	38,5	1748	1008
2x120	RM	0,153	359	348	41,6	2208	4762
3x4	RM	4,61	45	59	15,1	110,4	507
3x6	RM	3,08	53	64	16,3	165,6	582,2
3x10	RM	1,83	74	86	18,7	276	755
3x16	RM	1,15	98	112	22,1	441,6	1110,2
3x25	RM	0,727	133	145	25,2	690	1561
3x35	RM/SM	0,524	162	174	26,4	966	1907
3x50	SM	0,387	197	206	28,7	1380	2305
3x70	SM	0,268	250	254	32,7	1932	3035
3x95	SM	0,193	308	305	36,9	2622	4127
3x120	SM	0,153	359	348	40,3	3312	5015
3x150	SM	0,124	412	392	45,2	4140	6376
3x185	SM	0,0991	475	444	49,0	5106	7646
3x240	SM	0,0754	564	517	54,3	6624	9600
3x300	SM	0,0601	649	585	58,6	8280	11541

NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°c	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm2		Ω/km	A	A	mm	kg/km	kg/km
4x6	RM	3,08	53	64	18,4	200,2	786
4x10	RM	1,83	74	86	20,1	326,6	995
4x16	RM	1,15	98	112	22,6	523	1319
4x25	RM	0,727	133	145	27,7	841,7	2065
4x35	RM/SM	0,524	162	174	29,0	1288	2332
4x50	SM	0,387	197	206	31,9	1840	2870
4x70	SM	0,268	250	254	37,1	2576	4048
4x95	SM	0,193	308	305	40,8	3496	5160
4x120	SM	0,153	359	3448	45,8	4416	6672
4x150	SM	0,124	412	392	50,2	5520	8005
4x185	SM	0,0991	475	444	54,7	6808	9674
4x240	SM	0,0754	564	517	60,5	8832	12176
4x300	SM	0,0601	649	585	65,7	11040	14678
3x50+35	SM/SM	0,387/0,524	197	206	31,5	1489	2,785
3x70+35	SM/SM	0,268/0,524	250	254	35,8	2022	3741
3x95+50	SM/SM	0,193/0,387	308	305	39,5	2787	4741
3x95+70	SM/SM	0,193/0,268	308	305	39,9	2965	5056
3x120+50	SM/SM	0,153/0,387	359	3448	43,0	3438	5722
3x120+70	SM/SM	0,153/0,268	359	3448	43,4	3616	5889
3x120+95	SM/SM	0,153/0,193	359	3448	43,4	3835	6196
3x150+70	SM/SM	0,124/0,268	412	392	48,7	4320	7319
3x185+95	SM/SM	0,0991/0,193	475	444	52,8	5423	8785
3x240+120	SM/SM	0,0754/0,153	564	517	58,5	7082	10959
3x300+150	SM/SM	0,0601/0,124	649	585	64,0	8956	13324