



Cu/PVC/Cu Screen/PVC (NYCY)

Power cable 0,6/1 kV with Cu conductors, PVC insulated, copper wire screen, copper tape and PVC sheathed

APPLICATION

For installation indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions industrial plants, if additional protection is necessary against contact

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: PVC compound
Bedding	: Extruded elastomere compound
Armour	: Copper wire and copper tape
Sheath	: PVC Compound

TECHNICAL CHARACTERISTICS

CPR Class	: Eca
Rated Voltage	: 0,6/1 kV
Bending Radius	: 15D/12D
Max.conductor Temperature	: 70°C
Max.short-circuit Temperature	: 160°C

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color	:
2 core	: Brown-Blue
3 core	: Brown-Black-Grey
4 core	: Blue-Brown-Black-Grey
5 core	: Green/Yellow-Blue-Brown-Black-Grey

Sheath Color :
Black
Other colours available

STANDARD

IEC 60502-1

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TWO CORE CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
2x1,5/1,5	12,1	12,2	195	32	22
2x2,5/2,5	7,41	13,0	240	42	30
2x4/4	4,61	14,7	330	54	40
2x6/6	3,08	15,7	410	68	51
2x10/10	1,83	18,2	590	90	70
2x16/16	1,15	20,3	820	116	94
2x25/16	0,727	23,7	1145	150	119
2x35/16	0,524	26,0	1425	181	148

THREE CORE CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
3x1,5/1,5	12,1	12,7	220	27	19
3x2,5/2,5	7,41	13,5	275	36	25
3x4/4	4,61	15,4	380	47	34
3x6/6	3,08	16,5	480	59	43
3x10/10	1,83	19,4	710	79	59
3x16/16	1,15	21,6	990	102	79
3x25/16	0,727	25,3	1410	133	106
3x35/16	0,524	27,7	1765	159	129
3x50/25	0,387	31,8	2340	188	157
3x70/35	0,268	35,7	3230	232	199
3x95/50	0,193	42,1	4390	280	246
3x120/70	0,153	45,5	5415	318	285
3x150/70	0,124	50,0	6540	359	326
3x185/95	0,0991	55,6	8310	406	374
3x240/120	0,0754	62,6	10710	473	445

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FOUR CORE CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
4x1,5/1,5	12,1	13,4	250	27	19
4x2,5/2,5	7,41	14,4	315	36	25
4x4/4	4,61	16,5	445	47	34
4x6/6	3,08	17,9	570	59	43
4x10/10	1,83	20,9	835	79	59
4x16/16	1,15	23,4	1180	102	79
4x25/16	0,727	27,4	1680	133	106
4x35/16	0,268	30,2	2150	159	129
4x50/25	0,387	35,3	2900	188	157
4x70/35	0,268	39,2	3955	232	199
4x95/50	0,193	46,2	5395	280	246
4x120/70	0,153	50,6	6770	318	285
4x150/70	0,124	55,1	8135	359	326
4x185/95	0,0991	61,7	10300	406	374

FIVE CORE CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
5x1,5/1,5	12,1	14,3	290	19	14
5x2,5/2,5	7,41	15,3	370	25	19
5x4/4	4,61	17,8	530	33	26
5x6/6	3,08	19,2	680	41	32
5x10/10	1,83	22,8	1015	55	44
5x16/16	1,15	25,5	1425	71	59
5x25/16	0,727	30,2	2025	93	80

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CONTROL CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
7x1,5/1,5	12,1	15,2	340	16	12
7x2,5/2,5	7,4	16,4	440	23	16
8x1,5/1,5	12,1	15,8	400	16	12
8x2,5/2,5	7,4	17,0	505	23	16
10x1,5/2,5	12,1	18,1	505	14	10
10x2,5/4	7,41	19,7	655	18	14
12x1,5/2,5	12,1	18,8	545	12	10
12x2,5/4	7,41	20,4	720	16	13
14x1,5/2,5	12,1	19,5	600	12	9
14x2,5/6	7,41	21,5	820	16	13
16x1,5/4	12,1	19,9	670	11	9
16x2,5/6	7,41	21,9	410	14	11
19x1,5/4	12,1	21,5	760	11	9
19x2,5/6	7,41	23,5	1015	14	11
24x1,5/6	12,1	24,6	1060	9	8
24x2,5/10	7,41	25,9	1350	13	10
30x1,5/6	12,1	25,8	1130	9	8
30x2,5/10	7,41	28,6	1560	13	10