Cu/PVC/PVC (NYY)

Power cable 0,6/1 kV with Cu conductors, PVC insulated and PVC sheathed

APPLICATION

For installation indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions industrial plants, where there in no risk of mechanical damage.

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: PVC compound
Bedding	: Extruded elestomere compound
Armour	: -
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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ONE CORE CABLES :

Nominal Cross-Section mm²	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
1x1,5	12,1	5,8	60	-	-
1x2,5	7,41	6,1	75	-	-
1x4	4,61	7,3	100	59	45
1x6	3,08	7,5	120	73	59
1x10	1,83	8,4	150	97	81
1x16	1,15	9,5	215	125	110
1x25	0,727	11,1	320	161	146
1x35	0,524	12,1	415	192	181
1x50	0,387	13,9	550	227	219
1x70	0,268	15,6	765	278	281
1x95	0,193	17,9	1040	332	341
1x120	0,153	19,6	1275	377	396
1x150	0,124	21,3	1560	423	456
1x185	0,0991	23,9	1955	478	521
1x240	0,0754	26,9	2560	555	615
1x300	0,0601	30	3200	627	709
1x400	0,0470	34,7	4070	725	852

TWO CORE CABLES :

Nominal Cross-Section mm²	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	12,1	10,3	153	32	22
2x2,5	7,41	11,1	189	42	30
2x400	4,61	12,8	265	54	40
2x6	3,08	13,8	325	68	51
2x10	1,83	16,3	468	90	70
2x16	1,15	18,4	642	116	94
2x25	0,727	21,7	941	150	119
2x35	0,524	24,0	1210	181	148
2x50	0,387	27,4	1594	252	212
2x70	0,268	32,0	2227	310	268
2x95	0,193	36,9	2972	361	331
2x120	0,153	40,6	3666	412	385
2x150	0,124	45,0	4541	464	440
2x185	0,0991	50,0	5617	525	507
2x240	0,0754	56,2	7202	608	595
2x300	0,0601	62,0	9041	-	-

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THREE CORE CABLES :

Nominal Cross-Section mm²	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	12,1	10,8	175	27	19
3x2,5	7,41	11,6	220	36	25
3x4	4,61	13,5	310	47	34
3x6	3,08	14,6	395	59	43
3x10	1,83	17,3	575	79	59
3x16	1,15	19,5	800	102	79
3x25	0,727	23,1	1185	133	106
3x35	0,524	25,5	1535	159	129
3x50	0,387	29,2	2030	188	157
3x70	0,268	33,2	2810	232	199
3x95	0,193	38,4	3800	280	246
3x120	0,153	41,8	4650	318	285
3x150	0,124	46,1	5730	359	326
3x185	0,0991	51,7	7190	406	374
3x240	0,0754	58,5	9400	473	445
3x300	0,0601	65,2	11750	535	511

FOUR CORE CABLES :

Nominal Cross-Section mm²	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
3x16+10	1,15-1,83	20,9	925	102	79
3x25+16	0,727-1,15	24,5	1360	133	106
3x35+16	0,524-1,15	26,4	1685	159	129
3x50+25	0,387-0,727	30,7	2295	188	157
3x70+35	0,268-0,524	34,6	3145	232	199
3x95+50	0,193-0,387	40,2	4210	280	246
3x120+70	0,153-0,268	44,1	5335	318	285
3x150+70	0,124-0,268	46,9	6350	359	326
3x185+95	0,0991-0,193	53,8	8060	406	374
3x240+120	0,0754-0,153	60,6	10465	473	445
3x300+150	0,0601-0,124	59,5	13375	535	511

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FOUR CORE CABLES :

Nominal Cross-Section mm²	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	12,1	11,5	200	27	19
4x2,5	7,41	12,5	265	36	25
4x4	4,61	14,6	370	47	34
4x6	3,08	15,8	475	59	43
4x10	1,83	19,0	705	79	59
4x16	1,15	21,5	990	102	79
4x25	0,727	25,4	1475	133	106
4x35	0,524	28,2	1930	159	129
4x50	0,387	32,7	2590	188	157
4x70	0,268	36,7	3545	232	199
4x95	0,193	42,5	4810	280	246
4x120	0,153	46,7	5940	318	285
4x150	0,124	51,2	7275	359	326
4x185	0,0991	57,8	9180	406	374
4x240	0,0754	65,0	11950	473	445

FIVE CORE CABLES :

Nominal Cross-Section mm²	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	12,1	12,4	200	19	14
5x2,5	7,41	13,4	265	25	19
5x4	4,61	15,7	370	33	26
5x6	3,08	17,3	475	41	32
5x10	1,83	20,8	705	55	44
5x16	1,15	23,4	990	71	59
5x25	0,727	28,0	1475	93	80
5x35	0,524	32,3	1930	111	97
5x50	0,387	36,0	2590	132	118
5x70	0,268	41,8	3545	162	149
5x95	0,193	48,9	4810	196	185
5x120	0,153	53,4	5940	223	214
5x150	0,124	59,7	7275	251	245
5x185	0,0991	65,9	9180	284	281
5x240	0,0754	74,7	11950	331	334