Cu/XLPE/PVC (N2XY-YXV)

Power cable 0,6/1 kV with Cu conductors, XLPE 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 is a risk of mechanical damage. Suitable for comparatively high maximum permissible conductor temperature.

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: XLPE 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	: 90°C
Max.short-circuit Temperature	: 250°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	5,7	58	-	-
1x2,5	7,41	6,2	71	-	-
1x4	4,61	6,7	89	66	56
1x6	3,08	7,3	112	82	73
1x10	1,83	8,2	153	109	101
1x16	1,15	9,2	216	139	137
1x25	0,727	10,8	317	179	182
1x35	0,268	12,0	412	213	226
1x50	0,387	13,6	546	251	275
1x70	0,268	15,5	739	307	353
1x95	0,193	17,5	1001	366	430
1x120	0,153	19,4	1235	416	500
1x150	0,124	21,6	1532	465	577
1x185	0,0991	23,8	1906	526	661
1x240	0,0754	26,8	2445	610	749
1x300	0,0601	29,4	3110	689	864
1x400	0,0470	33,4	3888	788	1018

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	10,5	164	31	25
2x2,5	7,41	11,8	203	40	33
2x4	4,61	12,3	253	52	43
2x6	3,08	13,5	318	65	54
2x10	1,83	15,3	419	87	75
2x16	1,15	17,5	585	113	100
2x25	0,727	20,7	861	146	136
2x35	0,268	23,0	1114	176	165
2x50	0,387	26,4	1469	208	201
2x70	0,268	30,7	2010	256	255
2x95	0,193	34,7	2678	307	314
2x120	0,153	38,9	3324	349	364
2x150	0,124	43,3	4176	391	416
2x185	0,0991	47,8	5157	442	480
2x240	0,0754	54,1	6601	509	565
2x300	0,0601	59,5	8327	-	-

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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	10,9	185	30	24
3x2,5	7,41	11,9	234	40	32
3x4	4,61	12,9	298	52	42
3x6	3,08	14,2	381	64	53
3x10	1,83	16,2	517	86	73
3x16	1,15	18,5	737	111	96
3x25	0,727	22,0	1097	143	130
3x35	0,268	24,4	1434	173	160
3x50	0,387	28,2	1920	205	195
3x70	0,268	32,8	2639	252	247
3x95	0,193	37,2	3542	303	305
3x120	0,153	41,7	4392	346	355
3x150	0,124	46,4	5509	390	407
3x185	0,0991	51,8	6829	441	469
3x240	0,0754	58,0	8751	511	551
3x300	0,0601	63,9	11076	585	649

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	19,5	861	111	96
3x25+16	0,727-1,15	23,1	1280	143	130
3x35+16	0,524-1,15	25,3	1605	173	160
3x50+25	0,387-0,727	29,5	2213	205	195
3x70+35	0,268-0,524	34,1	3130	252	247
3x95+50	0,193-0,387	38,9	4153	303	305
3x120+70	0,153-0,268	43,9	5276	346	355
3x150+70	0,124-0,268	47,8	6286	390	407
3x185+95	0,0991-0,193	53,6	8028	441	469
3x240+120	0,0754-0,153	60,0	10173	511	551
3x300+150	0,0601-0,124	66,7	13002	585	649

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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	11,7	200	30	24
4x2,5	7,41	12,8	265	40	32
4x4	4,61	13,9	370	52	42
4x6	3,08	15,4	475	64	53
4x10	1,83	17,6	705	86	73
4x16	1,15	20,2	990	111	96
4x25	0,727	24,1	1475	143	130
4x35	0,268	27,1	1930	173	160
4x50	0,387	31,2	2590	205	195
4x70	0,268	36,3	3545	252	247
4x95	0,193	41,3	4810	303	305
4x120	0,153	46,2	5940	346	355
4x150	0,124	51,5	7275	390	407
4x185	0,0991	57,4	9180	441	469
4x240	0,0754	64,5	11950	511	551

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	12,5	294	21	18
5x2,5	7,41	13,7	379	28	24
5x4	4,61	15,0	493	36	32
5x6	3,08	16,6	642	45	40
5x10	1,83	19,1	881	60	55
5x16	1,15	22,0	1271	78	72
5x25	0,727	26,30	1924	100	98
5x35	0,268	29,8	2537	121	120
5x50	0,387	34,50	3431	144	146
5x70	0,268	40,1	4708	176	185
5x95	0,193	45,6	6305	212	229
5x120	0,153	51,1	8260	242	266
5x150	0,124	57,0	7850	273	305
5x185	0,0991	63,6	9878	309	352
5x240	0,0754	71,4	12249	358	413