



Cu/XLPE/STA/PVC (N2XBY-YXZ4V)

Power cable 0,6/1 kV with Cu conductors, XLPE insulated , double steel tape armoured and PVC sheathed

APPLICATION

These cables with low dielectric losses are used as a power cable at local energy distribution. in power stations. switchgears and industrial plants. used in places where mechanical damage risk is high. outdoors. indoors. underground or in cable ducts. Due to having galvanized double steel wire armour. they conform to heavy installation and mounting conditions.

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: XLPE compound
Bedding	: Extruded elastomere compound
Armour	: Double Steel Tape
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 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
1x1,5	12,1	-	-	-	-
1x2,5	7,41	-	-	-	-
1x4	4,61	-	-	66	56
1x6	3,08	-	-	82	73
1x10	1,83	11,9	321	109	101
1x16	1,15	12,9	398	139	137
1x25	0,727	14,7	533	179	182
1x35	0,268	15,8	654	213	226
1x50	0,387	17,3	803	251	275
1x70	0,268	19,2	1052	307	353
1x95	0,193	21,1	1358	366	430
1x120	0,153	22,5	1615	416	500
1x150	0,124	24,5	1928	465	577
1x185	0,0991	27,1	2375	526	661
1x240	0,0754	29,9	3008	610	749
1x300	0,0601	33,5	3609	689	864

TWO CORE CABLES

:

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	12,1	11,1	218	31	25
2x2,5	7,41	11,9	258	40	33
2x4	4,61	12,8	314	52	43
2x6	3,08	13,8	383	65	54
2x10	1,83	16,3	542	87	75
2x16	1,15	18,4	728	113	100
2x25	0,727	21,7	1043	146	136
2x35	0,268	25,0	1489	176	165
2x50	0,387	27	1727	208	201
2x70	0,268	30,6	2301	256	255
2x95	0,193			307	314
2x120	0,153	39,8	4150	349	364
2x150	0,124			391	416
2x185	0,0991			442	480
2x240	0,0754			509	565

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THREE CORE CABLES

:

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	12,1	11,5	238	30	24
3x2,5	7,41	12,4	289	40	32
3x4	4,61	13,4	361	52	42
3x6	3,08	14,5	447	64	53
3x10	1,83	18,2	776	86	73
3x16	1,15	20,4	1014	111	96
3x25	0,727	24,2	1442	143	130
3x35	0,268	26,5	1835	173	160
3x50	0,387	30,1	2332	205	195
3x70	0,268	36,3	3717	252	247
3x95	0,193	40,5	4843	303	305
3x120	0,153	43,9	5807	346	355
3x150	0,124	49	6967	390	407
3x185	0,0991	54,8	8685	441	469
3x240	0,0754	61,4	10959	511	551

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
3x16+10	1,15-1,83	23,0	1132	111	96
3x25+16	0,727-1,15	25,0	1604	143	130
3x35+16	0,524-1,15	26,7	1971	173	160
3x50+25	0,387-0,727	30,5	2623	205	195
3x70+35	0,268-0,524	34,7	3525	252	247
3x95+50	0,193-0,387	39,5	4854	303	305
3x120+70	0,153-0,268	44,5	6050	346	355
3x150+70	0,124-0,268	48,5	7159	390	407
3x185+95	0,0991-0,193	53,5	8900	441	469
3x240+120	0,0754-0,153	61,0	11750	511	551

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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	12,1	12,3	272	30	24
4x2,5	7,41	13,2	329	40	32
4x4	4,61	14,3	417	52	42
4x6	3,08	15,5	524	64	53
4x10	1,83	21,1	921	86	73
4x16	1,15	22,1	1219	111	96
4x25	0,727	26,3	1557	143	130
4x35	0,268	29,1	2255	173	160
4x50	0,387	33,5	2921	205	195
4x70	0,268	39,8	4544	252	247
4x95	0,193	44,6	6016	303	305
4x120	0,153	48,8	7172	346	355
4x150	0,124	54,0	8630	390	407
4x185	0,0991	60,9	10777	441	469
4x240	0,0754	67,9	13651	511	551

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	12,1	13,0	309	21	18
5x2,5	7,41	14,1	383	28	24
5x4	4,61	15,3	489	36	32
5x6	3,08	16,9	631	45	40
5x10	1,83	21,1	1090	60	55
5x16	1,15	23,9	1453	78	72
5x25	0,727	28,7	2154	100	98
5x35	0,268	31,9	2817	121	120
5x50	0,387	38,1	4146	144	146
5x70	0,268	43,6	5614	176	185
5x95	0,193	49,4	7379	212	229
5x120	0,153	53,6	8827	242	266
5x150	0,124	59,8	10729	273	305
5x185	0,0991	67,1	13334	309	352
5x240	0,0754	75,3	17030	358	413