



Cu/XLPE/CS/PVC (N2XCY-YXCV)

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

APPLICATION

It is generally used as an energy cable underground, in industrial areas and in city networks. It adapts to high operating temperatures. It is resistant to short-term sudden temperature increases and has a longer life.

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: XLPE compound
Bedding	: Extruded elastomere compound
Armour	: Concentric 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	: 90°C
Max.short-circuit Temperature	: 250°C

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color	:
1 core	: Any 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



Trade Mark of MXN KABLO SANAYİ ve TİCARET LTD.ŞTİ.

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ONE 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
1x1,5/1,5	12,1	8,6	104	-	-
1x2,5/2,5	7,41	9,6	161	51	42
1x4/4	4,61	10,1	192	66	56
1x6/6	3,08	10,6	237	82	73
1x10/10	1,83	12,1	326	109	101
1x16/16	1,15	13,1	399	139	137
1x25/16	0,727	15,5	563	179	182
1x35/16	0,268	16,7	681	213	226
1x50/25	0,387	18,4	892	251	275
1x70/35	0,268	20,2	1198	307	353
1x95/50	0,193	22,4	1569	366	430
1x120/70	0,153	24,6	2011	416	500
1x150/70	0,124	26,7	2333	465	577
1x185/95	0,0991	29,5	2973	526	661
1x240/120	0,0754	32,9	3637	610	749

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
2x1,5/1,5	12,1	12,0	218	31	25
2x2,5/2,5	7,41	12,8	265	40	33
2x4/4	4,61	13,7	331	52	43
2x6/6	3,08	14,7	412	65	54
2x10/10	1,83	17,4	583	87	75
2x16/16	1,15	19,6	762	113	100
2x25/16	0,727	23,6	1131	146	136
2x35/16	0,268	25,8	1390	176	165
2x50/25	0,387	29,4	1865	208	201
2x70/35	0,268	33,7	2547	256	255
2x95/50	0,193	38,1	3361	307	314
2x120/70	0,153	42,3	4222	349	364
2x150/70	0,124	47,1	5185	391	416
2x185/95	0,0991	52,2	6427	442	480
2x240/120	0,0754	58,9	8287	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
3x1,5/1,5	12,1	12,4	240	30	24
3x2,5/2,5	7,41	13,3	296	40	32
3x4/4	4,61	14,3	375	52	42
3x6/6	3,08	15,3	475	64	53
3x10/10	1,83	18,3	683	86	73
3x16/16	1,15	20,6	916	111	96
3x25/16	0,727	24,9	1372	143	130
3x35/16	0,268	27,4	1714	173	160
3x50/25	0,387	31,2	2308	205	195
3x70/35	0,268	35,8	3165	252	247
3x95/50	0,193	40,5	4234	303	305
3x120/70	0,153	45,5	5342	346	355
3x150/70	0,124	50,3	6526	390	407
3x185/95	0,0991	55,7	8132	441	469
3x240/120	0,0754	62,9	10444	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
4x1,5/1,5	12,1	13,2	275	30	24
4x2,5/2,5	7,41	14,1	343	40	32
4x4/4	4,61	15,2	440	52	42
4x6/6	3,08	16,4	561	64	53
4x10/10	1,83	19,7	817	86	73
4x16/16	1,15	22,3	1128	111	96
4x25/16	0,727	27,0	1678	143	130
4x35/16	0,268	29,9	2136	173	160
4x50/25	0,387	34,7	2932	205	195
4x70/35	0,268	39,3	3967	252	247
4x95/50	0,193	44,6	5289	303	305
4x120/70	0,153	50,1	6672	346	355
4x150/70	0,124	55,4	8154	390	407
4x185/95	0,0991	61,8	10249	441	469
4x240/120	0,0754	69,3	13080	511	551

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FIVE 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
5x1,5/1,5	12,1	13,9	346	21	18
5x2,5/2,5	7,41	15	435	28	24
5x4/4	4,61	16,2	560	36	32
5x6/6	3,08	17,5	717	45	40
5x10/10	1,83	21,2	1050	60	55
5x16/16	1,15	24,1	1449	78	72
5x25/16	0,727	29,4	2214	100	98
5x35/16	0,268	32,7	2827	121	120
5x50/25	0,387	37,9	3876	144	146
5x70/35	0,268	43,1	5237	176	185
5x95/50	0,193	49,3	7019	212	229
5x120/70	0,153	54,9	8752	242	266
5x150/70	0,124	61,3	10881	273	305
5x185/95	0,0991	67,9	13514	309	352
5x240/120	0,0754	76,7	17355	358	413

