



AL/XLPE/PVC (NA2XY-YAXV)

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

APPLICATION

It is used as energy, mains and lighting cable, in cable ducts outside, underground, where there is no risk of mechanical damage. It adapts to high operating temperatures, 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	: -
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



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

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ONE CORE CABLES

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Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm ²	Ω/km	mm	kg/km	A	A
1x10	3,08	7,9	90	-	-
1x16	1,91	8,7	119	-	-
1x25	1,20	10,5	156	114	106
1x35	0,868	11,5	202	136	130
1x50	0,641	12,8	239	162	161
1x70	0,443	15,0	314	199	204
1x95	0,320	16,6	416	238	252
1x120	0,253	18,3	499	272	295
1x150	0,206	20,9	612	305	339
1x185	0,164	23,2	784	347	395
1x240	0,125	25,7	960	404	472
1x300	0,153	28,5	1228	457	547
1x400	0,100	32,1	1574	525	643

TWO CORE CABLES

:

Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm ²	Ω/km	mm	kg/km	A	A
2x10	3,08	14,8	320	-	-
2x16	1,91	16,8	419	-	-
2x25	1,20	19,9	589	113	104
2x35	0,868	22,2	735	136	128
2x50	0,641	25,5	835	160	155
2x70	0,443	30,1	1290	198	198
2x95	0,320	32,9	1619	236	243
2x120	0,253	36,6	2009	270	284
2x150	0,206	41,7	2535	303	325
2x185	0,164	46,8	3172	345	378
2x240	0,125	51,8	3931	401	450
2x300	0,153	56,8	5021	457	527

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THREE CORE CABLES

:

Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm ²	Ω/km	mm	kg/km	A	A
3x10	3,08	15,6	360	-	-
3x16	1,91	17,7	489	-	-
3x25	1,20	21,1	690	112	102
3x35	0,868	23,6	833	135	126
3x50	0,641	26,6	1028	158	149
3x70	0,443	30,9	1449	196	191
3x95	0,320	35,3	1849	234	234
3x120	0,253	39,3	2283	268	273
3x150	0,206	44,9	2862	300	311
3x185	0,164	50,3	3509	342	360
3x240	0,125	55,8	4191	398	427
3x300	0,153	62,6	5356	457	507

FOUR CORE CABLES

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Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm ²	Ω/km	mm	kg/km	A	A
3x16+10	1,91-3,08	18,7	529	-	-
3x25+16	1,20-1,91	22,2	690	112	102
3x35+16	0,868-1,91	24,3	872	135	126
3x50+25	0,641-1,20	27,7	917	158	149
3x70+35	0,443-0,868	32,9	1088	196	191
3x95+50	0,320-0,641	36,8	1941	234	234
3x120+70	0,253-0,443	41,5	2393	268	273
3x150+70	0,206-0,443	46,2	2951	300	311
3x185+95	0,164-0,320	51,7	3198	342	360
3x240+120	0,125-0,253	57,4	4642	398	427
3x300+150	0,100-0,206	64,3	5706	457	507

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FOUR CORE CABLES

:

Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm ²	Ω/km	mm	kg/km	A	A
4x10	3,08	17,0	410	-	-
4x16	1,91	19,3	553	-	-
4x25	1,20	23,1	788	112	102
4x35	0,868	25,8	979	135	126
4x50	0,641	29,4	1216	158	149
4x70	0,443	35,2	1683	196	191
4x95	0,320	39,1	2179	234	234
4x120	0,253	43,6	2704	268	273
4x150	0,206	49,8	3383	300	311
4x185	0,164	55,8	4286	342	360
4x240	0,125	61,9	5104	398	427
4x300	0,153	69,1	6591	457	507

FIVE CORE CABLES

:

Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm ²	Ω/km	mm	kg/km	A	A
5x10	3,08	18,4	600	-	-
5x16	1,91	21,0	755	-	-
5x25	1,20	25,3	1031	112	102
5x35	0,868	28,4	1329	135	126
5x50	0,641	32,4	1614	158	149
5x70	0,443	38,9	2129	196	191
5x95	0,320	43,2	2779	234	234
5x120	0,253	48,1	3417	268	273
5x150	0,206	55,0	4341	300	311
5x185	0,164	61,7	5325	342	360
5x240	0,125	68,6	6525	398	427
5x300	0,153	76,5	8238	457	507