



Al/PVC/PVC (NAYY)

Power cable 0,6/1 kV with AL conductors, PVC 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.

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: PVC 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	: 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



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

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ONE 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
1x10	3,08	8,5	108	-	-
1x16	1,91	9,5	137	-	-
1x25	1,2	11,1	194	106	87
1x35	0,868	12,1	233	127	107
1x50	0,641	13,7	285	151	131
1x70	0,443	15,7	352	185	166
1x95	0,32	17,7	466	222	205
1x120	0,253	19,2	578	253	239
1x150	0,206	21,7	697	284	273
1x185	0,164	24,0	865	322	317
1x240	0,125	26,8	1087	375	378
1x300	0,153	29,8	1415	425	437
1x400	0,0778	33,4	1797	487	513
1x500	0,0605	38,8	2075	558	600

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	16	347	-	-
2x16	1,91	18	348	-	-
2x25	1,2	21,1	645	104	85
2x35	0,868	23,4	810	125	104
2x50	0,641	26,6	920	148	125
2x70	0,443	31,1	1331	182	159
2x95	0,32	35,1	1712	219	196
2x120	0,253	38,4	2067	249	228
2x150	0,206	43,6	2613	280	260
2x185	0,164	48,6	3232	318	301
2x240	0,125	54,1	4037	370	358
2x300	0,153	60,1	5122	422	419
2x400	0,0778	67,7	1594	486	493

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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	16,9	404	-	-
3x16	1,91	19,0	517	-	-
3x25	1,2	22,4	715	102	82
3x35	0,868	24,9	919	123	100
3x50	0,641	28,5	1100	144	119
3x70	0,443	33,2	1503	179	152
3x95	0,32	37,7	1997	215	186
3x120	0,253	41,2	2377	245	216
3x150	0,206	46,7	3100	275	246
3x185	0,164	52,1	3841	313	285
3x240	0,125	58,1	4841	364	338
3x300	0,153	64,5	6211	419	400

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
3x16+10	1,91-3,08	20,2	610	-	-
3x25+16	1,20-1,91	23,6	819	102	82
3x35+16	0,868-1,91	25,7	1014	123	100
3x50+25	0,641-1,20	29,8	1283	144	119
3x70+35	0,443-0,868	34,5	1744	179	152
3x95+50	0,320-0,641	39,3	2243	215	186
3x120+70	0,253-0,443	43,5	2791	245	216
3x150+70	0,206-0,443	48,2	3258	275	246
3x185+95	0,164-0,320	54,0	4192	313	285
3x240+120	0,125-0,253	59,9	5303	364	338
3x300+150	0,153-0,206	67,3	6778	419	400

AI/PVC/PVC (NAYY)

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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	18,4	485	-	-
4x16	1,91	20,8	645	-	-
4x25	1,2	24,6	911	102	82
4x35	0,868	27,3	1123	123	100
4x50	0,641	31,5	1429	144	119
4x70	0,443	36,8	1881	179	152
4x95	0,32	41,7	2417	215	186
4x120	0,253	45,7	3006	245	216
4x150	0,206	51,8	3834	275	246
4x185	0,164	57,9	4739	313	285
4x240	0,125	64,5	5767	364	338
4x300	0,153	72,2	7712	419	400

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	20,0	666	-	-
5x16	1,91	22,7	852	-	-
5x25	1,2	26,9	1189	102	82
5x35	0,868	30,1	1483	123	100
5x50	0,641	34,7	1893	144	119
5x70	0,443	40,6	2511	179	152
5x95	0,32	46,1	3238	215	186
5x120	0,253	50,5	3885	245	216
5x150	0,206	57,4	4891	275	246
5x185	0,164	64,0	6111	313	285
5x240	0,125	71,5	7669	364	338
5x300	0,153	80,0	9879	419	400