



Cu/XLPE/FSWA/PVC (N2XFGbY-YXZ3V)

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

APPLICATION

Locations under mechanical stress , underground , in power and switching stations , industrial plants

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: XLPE compound
Bedding	: Extruded elastomere compound
Armour	: Flat Steel wire and 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



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

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TWO 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
2x10	1,83	18,6	751	87	75
2x16	1,15	20,6	973	113	100
2x25	0,727	24,5	1344	146	136
2x35	0,268	26,2	1624	176	165
2x50	0,387			208	201
2x70	0,268			256	255
2x95	0,193			307	314
2x120	0,153			349	364
2x150	0,124			391	416
2x185	0,0991			442	480
2x240	0,0754			509	565

THREE 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
3x10	1,83	19,4	873	86	73
3x16	1,15	21,6	1144	111	96
3x25	0,727	25,4	1593	143	130
3x35	0,268	27,8	1958	173	160
3x50	0,387	31,3	2504	205	195
3x70	0,268	36,1	3386	252	247
3x95	0,193	40,3	4365	303	305
3x120	0,153	43,6	5277	346	355
3x150	0,124	48,7	6430	390	407
3x185	0,0991	54,5	7986	441	469
3x240	0,0754	61,0	10130	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
3x16+10	1,15-1,83	22,7	1242	111	96
3x25+16	0,727-1,15	26,5	1738	143	130
3x35+16	0,524-1,15	28,5	2111	173	160
3x50+25	0,387-0,727	32,6	2760	205	195
3x70+35	0,268-0,524	37,4	3719	252	247
3x95+50	0,193-0,387	42	4843	303	305
3x120+70	0,153-0,268	46,4	6034	346	355
3x150+70	0,124-0,268	50,3	7053	390	407
3x185+95	0,0991-0,193	56,3	8842	441	469
3x240+120	0,0754-0,153	62,8	11207	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
4x10	1,83	20,8	1016	86	73
4x16	1,15	23,3	1343	111	96
4x25	0,727	27,5	1890	143	130
4x35	0,268	30,3	2377	173	160
4x50	0,387	34,7	3082	205	195
4x70	0,268	39,3	4165	252	247
4x95	0,193	44,4	5393	303	305
4x120	0,153	48,5	6589	346	355
4x150	0,124	53,6	7996	390	407
4x185	0,0991	60,5	9998	441	469
4x240	0,0754	67,4	12659	511	551

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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
5x10	1,83	22,4	1160	60	55
5x16	1,15	25,1	1550	78	72
5x25	0,727	30,0	2230	100	98
5x35	0,268	33,1	2820	121	120
5x50	0,387	38,0	3690	144	146
5x70	0,268	43,5	5000	176	185
5x95	0,193	49,3	6580	212	229
5x120	0,153	53,4	8010	242	266
5x150	0,124	59,7	9760	273	305
5x185	0,0991	66,7	12030	309	352
5x240	0,0754	75,0	15450	358	413