



N2XH

Power cable 0,6/1 kV with Cu conductors, XLPE insulated, HFFR Filled and HFFR sheathed

APPLICATION

It is used in hotels, schools, hospitals, tunnels, refineries, high-rise buildings, data processing centers and business centers where people are concentrated, and in fire-sensitive areas.

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: XLPE compound
Bedding	: HFFR Filler Compound
Armour	: -
Sheath	: HFFR 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

HD 604 S1



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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
1x10	1,83	7,8	140	109	101
1x16	1,15	8,8	201	139	137
1x25	0,727	10,4	300	179	182
1x35	0,268	11,5	395	213	226
1x50	0,387	13,2	525	251	275
1x70	0,268	15,1	725	307	353
1x95	0,193	17,1	975	366	430
1x120	0,153	18,9	1196	416	500
1x150	0,124	21,0	1499	465	577
1x185	0,0991	23,2	1857	526	661
1x240	0,0754	26,1	2390	610	749
1x300	0,0601	28,7	3033	689	864
1x400	0,0470	32,6	3800	788	1018

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
2x1,5	12,1	8,9	121	31	25
2x2,5	7,41	9,7	152	40	33
2x4	4,61	10,5	196	52	43
2x6	3,08	11,5	250	65	54
2x10	1,83	14,2	368	87	75
2x16	1,15	16,4	534	113	100
2x25	0,727	19,8	800	146	136
2x35	0,268	22,3	1057	176	165
2x50	0,387	25,7	1418	208	201
2x70	0,268	29,9	1936	256	255
2x95	0,193	33,8	2576	307	314
2x120	0,153	37,9	3209	349	364
2x150	0,124	42,1	4022	391	416
2x185	0,0991	47,0	4987	442	480
2x240	0,0754	52,6	6356	509	565
2x300	0,0601	62,1	8023	-	-

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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	9,3	140	30	24
3x2,5	7,41	10,1	179	40	32
3x4	4,61	11,1	237	52	42
3x6	3,08	12,2	309	64	53
3x10	1,83	15,1	471	86	73
3x16	1,15	17,5	683	111	96
3x25	0,727	21,1	1043	143	130
3x35	0,268	23,9	1374	173	160
3x50	0,387	27,5	1850	205	195
3x70	0,268	32,0	2558	252	247
3x95	0,193	36,2	3431	303	305
3x120	0,153	40,6	4248	346	355
3x150	0,124	45,2	5321	390	407
3x185	0,0991	50,4	6621	441	469
3x240	0,0754	56,5	8486	511	551
3x300	0,0601	62,1	10778	585	649

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	18,6	804	111	96
3x25+16	0,727-1,15	22,3	1223	143	130
3x35+16	0,524-1,15	24,6	1543	173	160
3x50+25	0,387-0,727	28,7	2140	205	195
3x70+35	0,268-0,524	33,2	3018	252	247
3x95+50	0,193-0,387	37,8	4061	303	305
3x120+70	0,153-0,268	42,7	5109	346	355
3x150+70	0,124-0,268	46,5	6105	390	407
3x185+95	0,0991-0,193	52,2	7780	441	469
3x240+120	0,0754-0,153	58,4	9874	511	551
3x300+150	0,0601-0,124	64,8	12623	585	649

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FOUR 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
4x1,5	12,1	10	167	30	24
4x2,5	7,41	109	219	40	32
4x4	4,61	12,1	292	52	42
4x6	3,08	14,3	407	64	53
4x10	1,83	16,5	592	86	73
4x16	1,15	19,2	862	111	96
4x25	0,727	23,3	1329	143	130
4x35	0,268	26,4	1762	173	160
4x50	0,387	30,4	2370	205	195
4x70	0,268	35,4	3266	252	247
4x95	0,193	40,2	4415	303	305
4x120	0,153	45,0	5465	346	355
4x150	0,124	50,3	6875	390	407
4x185	0,0991	55,9	8523	441	469
4x240	0,0754	62,7	11008	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	10,8	232	21	18
5x2,5	7,41	11,8	303	28	24
5x4	4,61	13,1	405	36	32
5x6	3,08	14,5	533	45	40
5x10	1,83	18,1	821	60	55
5x16	1,15	21,1	1213	78	72
5x25	0,727	25,7	1867	100	98
5x35	0,268	29,0	2457	121	120
5x50	0,387	33,6	3317	144	146
5x70	0,268	39	4575	176	185
5x95	0,193	44,4	6130	212	229
5x120	0,153	49,7	7625	242	266
5x150	0,124	55,5	9589	273	305
5x185	0,0991	61,8	11938	309	352
5x240	0,0754	69,5	15321	358	413