



N2XH FE 180

Power cable 0,6/1 kV with Cu conductors, Mica Tape , 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

:

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	1,83	8,3	155	109	101
1x16	1,15	9,4	219	139	137
1x25	0,727	11,0	321	179	182
1x35	0,268	12,1	414	213	226
1x50	0,387	13,8	552	251	275
1x70	0,268	15,7	755	307	353
1x95	0,193	17,7	1010	366	430
1x120	0,153	18,8	1195	416	500
1x150	0,124	21,6	1544	465	577
1x185	0,0991	23,8	1906	526	661
1x240	0,0754	26,6	2447	610	749
1x300	0,0601	28,6	3010	689	864
1x400	0,0470	33,2	3770	788	1018

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
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	1417	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

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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
3x1,5	12,1	10,5	178	30	24
3x2,5	7,41	11,3	222	40	32
3x4	4,61	12,4	285	52	42
3x6	3,08	13,5	361	64	53
3x10	1,83	16,3	537	86	73
3x16	1,15	18,8	762	111	96
3x25	0,727	22,4	1144	143	130
3x35	0,268	25,1	1490	173	160
3x50	0,387	28,8	1989	205	195
3x70	0,268	33,2	2728	252	247
3x95	0,193	37,5	3629	303	305
3x120	0,153	41,8	4502	346	355
3x150	0,124	46,4	5620	390	407
3x185	0,0991	51,6	6964	441	469
3x240	0,0754	57,7	8891	511	551

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	1,15-1,83	20,0	881	111	96
3x25+16	0,727-1,15	23,7	1318	143	130
3x35+16	0,524-1,15	26,0	1662	173	160
3x50+25	0,387-0,727	30,1	2251	205	195
3x70+35	0,268-0,524	34,6	3071	252	247
3x95+50	0,193-0,387	39,2	4107	303	305
3x120+70	0,153-0,268	44,1	5181	346	355
3x150+70	0,124-0,268	48,0	6231	390	407
3x185+95	0,0991-0,193	53,6	7831	441	469
3x240+120	0,0754-0,153	59,8	9939	511	551

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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
4x1,5	12,1	11,4	214	30	24
4x2,5	7,41	12,3	269	40	32
4x4	4,61	13,5	349	52	42
4x6	3,08	14,7	451	64	53
4x10	1,83	17,9	676	86	73
4x16	1,15	20,7	980	111	96
4x25	0,727	24,7	1460	143	130
4x35	0,268	27,8	1925	173	160
4x50	0,387	31,8	2550	205	195
4x70	0,268	36,8	3497	252	247
4x95	0,193	41,6	4665	303	305
4x120	0,153	46,4	5781	346	355
4x150	0,124	51,5	7217	390	407
4x185	0,0991	57,3	8949	441	469
4x240	0,0754	64,1	11433	511	551

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
5x1,5	12,1	12,3	292	21	18
5x2,5	7,41	13,4	370	28	24
5x4	4,61	14,7	477	36	32
5x6	3,08	16,1	622	45	40
5x10	1,83	19,1	916	60	55
5x16	1,15	22,7	1323	78	72
5x25	0,727	27,2	1994	100	98
5x35	0,268	30,6	2596	121	120
5x50	0,387	35,1	3471	144	146
5x70	0,268	40,6	4747	176	185
5x95	0,193	46,0	6311	212	229
5x120	0,153	51,3	7824	242	266
5x150	0,124	57,0	9829	273	305
5x185	0,0991	63,4	12149	309	352
5x240	0,0754	71,0	15537	358	413