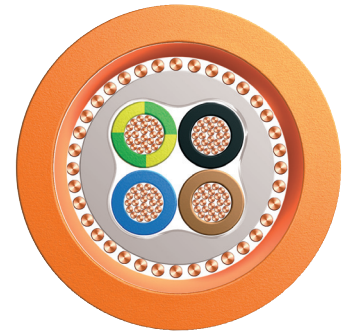
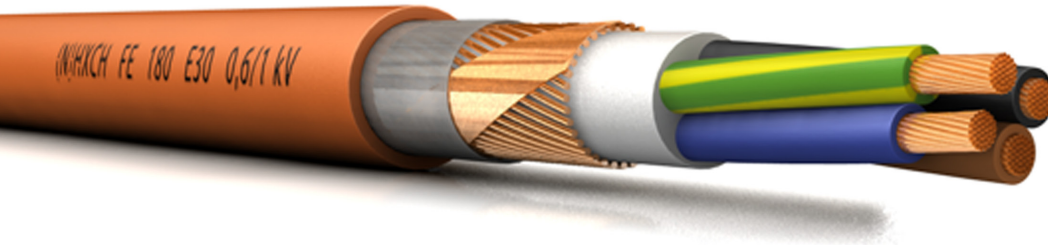


# (N)HXCH FE 180 E30 0,6/1kV adapted to DIN VDE 0266



## Application

Halogen free power cables with concentric copper outer conductor with improved fire properties for internal, in air direct fix or cable tray or in concrete installations. Not suitable for direct burial or flooded duct work. Sealed water tight duct installations acceptable. Cable circuit integrity withstand of 180mins and functional integrity of terminated cable as part of a system 30mins.

## Cable construction

Conductor	Bare copper, solid or stranded
Insulation	Cross-linked halogen free ceramic forming 2 layer insulation HXI 2, core colours acc. to HD308
Inner covering	Soft easystrip inner jacket
Concentric conductor	Bare copper wires with counter helix copper tape
Tape	PP-tape
Outer Jacket	Halogen free polymer compound, Orange

## Properties

- Halogen free
- Fire retardant (EN 50266-2-4, IEC 60332-3 cat. C)
- Low smoke generation
- No emission of corrosive gases
- Insulation integrity FE 180 (DIN VDE 0472-814)
- Circuit integrity E 30 (DIN 4102 Part 12)
- Service temperature: -30°C up to +90°C
- Laying temperature: -5°C up to +90°C
- Min. bending radius: 12 x Ø

No. of Cores and Cross Section mm <sup>2</sup>	Outer diameter approx. mm	Weight approx. kg/km	Calorific potential kWh/m
2 x 1.5 solid / 1.5	11	136	0.41
2 x 2.5 solid / 2.5	12.2	174	0.47
2 x 4 solid / 4	13.2	229	0.53
2 x 6 solid / 6	15.0	301	0.62
2 x 10 solid / 10	17.8	448	0.78

continued on next page.

No. of Cores and Cross Section mm <sup>2</sup>		Outer diameter approx. mm	Weight approx. kg/km	Calorific potential kWh/m
3 x 1.5	solid / 1.5	11.4	169	0.51
3 x 2.5	solid / 2.5	12.7	223	0.60
3 x 4	solid / 4	13.8	297	0.68
3 x 6	solid / 6	15.7	396	0.83
3 x 10	solid / 10	18.6	599	1.08
3 x 16	stranded / 16	20.8	880	1.30
3 x 25	stranded / 16	23.4	1191	1.58
3 x 35	stranded / 16	26.0	1514	1.87
3 x 50	stranded / 25	29.6	2032	2.32
3 x 70	stranded / 35	34.5	2847	3.09
3 x 95	stranded / 50	39.0	3832	3.77
3 x 120	stranded / 70	43.1	4841	4.54
3 x 150	stranded / 70	47.4	5819	5.66
3 x 185	stranded / 95	53.1	7384	7.01
3 x 240	stranded / 120	58.9	9450	8.53
4 x 1.5	solid / 1.5	12.1	195	0.56
4 x 2.5	solid / 2.5	13.5	260	0.66
4 x 4	solid / 4	14.7	349	0.75
4 x 6	solid / 6	16.8	469	0.91
4 x 10	solid / 10	20.0	717	1.20
4 x 16	stranded / 16	22.5	1067	1.44
4 x 25	stranded / 16	25.4	1470	1.74
4 x 35	stranded / 16	28.2	1874	2.01
4 x 50	stranded / 25	32.4	2533	2.55
4 x 70	stranded / 35	37.8	3559	3.42
4 x 95	stranded / 50	42.7	4806	4.14
4 x 120	stranded / 70	47.4	6074	5.07
4 x 150	stranded / 70	51.9	7312	6.22
4 x 185	stranded / 95	58.4	9289	7.83
4 x 240	stranded / 120	64.8	11913	9.49
5 x 1.5	solid / 1.5	13.0	215	0.58
5 x 2.5	solid / 2.5	14.5	287	0.67
5 x 4	solid / 4	15.8	391	0.76
5 x 6	solid / 6	18.1	528	0.91
5 x 10	solid / 10	21.6	812	1.17
7 x 1.5	solid / 2.5	14.4	274	0.69
7 x 2.5	solid / 2.5	15.6	352	0.79
12 x 1.5	solid / 2.5	17.6	401	0.97
12 x 2.5	solid / 4	19.3	546	1.11
24 x 1.5	solid / 6	23.4	718	1.55
24 x 2.5	solid / 10	25.8	1006	1.79
30 x 1.5	solid / 6	24.5	845	1.77
30 x 2.5	solid / 10	27.1	1193	2.06