



CONSTRUCTION	
Conductor	IEC 60228/ DIN VDE 0295/ EN 60228/ Class 1 Electrolytic Plain Copper
Fire Proof	1,5mm <sup>2</sup> to 6mm <sup>2</sup> Silicon 10mm <sup>2</sup> to above Mica-glass Fire Resistance Tape
Insulation	HX11
Filler	HFFR
Outer Sheath	HFFR HM4
Bending Radius	12xD
Test Voltage	4000V
Temperature Range	- 40 °C ~ + 90 °C
Flame Retardant Test	IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2
Flame Propagation (Cat C)	IEC 60332-1-24, VDE 0482-332-3-24, EN 60332-3-24
Corrosive Gas Test	IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3
Halogen Free Test	IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1
Smoke Density	EN 61034-2

Type	VDE REG 8772 / DIN 4102 / IEC 60331
Standart	600 / 1000 V
Rated Voltage	+ 90 °C
Operating Temperature	

## (N)HXH FE180 E90

### Applications

Rafineries, mines, hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, business centers where there is a risk of fire.

CROSS-SECTION (MM <sup>2</sup> )	OUTER SHEATH NOMINAL THICKNESS (MM)	NET WEIGHT KG/KM	LENGTH OF CABLE PER DRUM (M)	DRUM TYPE	CURRENT CARRYING CAPACITY	
					ON EARTH (A)	ON AIR (A)
1x1,5 re	6	47,1	1000	553	22	24
1x2,5 re	6,5	62,0	1000	553	30	33
1x4 re	7	79,3	1000	553	66	56
1x6 re	8	105,0	1000	553	82	71

CROSS-SECTION (MM <sup>2</sup> )	OUTER SHEATH NOMINAL THICKNESS (MM)	NET WEIGHT KG/KM	LENGTH OF CABLE PER DRUM (M)	DRUM TYPE	CURRENT CARRYING CAPACITY	
					ON EARTH (A)	ON AIR (A)
2x1,5 re	11	160,6	1000	70	30	24
2x2,5 re	12	192,8	1000	70	40	32
2x4 re	13	239,5	1000	80	52	42
2x6 re	13,5	298,8	1000	90	64	73
3x1,5 re	12	183,7	1000	70	30	24
3x2,5 re	12,5	226,4	1000	80	40	32
3x4 re	13,5	287,9	1000	90	52	42
3x6 re	14,5	366,3	1000	90	64	73
4x1,5 re	12,5	216,1	1000	80	30	24
4x2,5 re	13,5	273,4	1000	90	40	32
4x4 re	14,5	298,5	1000	90	52	42
4x6 re	16	450,1	1000	90	64	73
5x1,5 re	13,5	256,4	1000	90	30	24
5x2,5 re	14,5	326,2	1000	90	40	32
5x4 re	16	420,8	1000	90	52	42
5x6 re	17	541,3	1000	100	64	73
7X1,5 re	17,3	447,0	1000	100	18	16
7x2,5 re	19,6	546,0	1000	100	40	32
10X1,5 re	20	605,0	1000	100	18	16
10x2,5 re	23	752,0	1000	100	40	32
12x1,5 re	22,6	697,0	1000	100	18	16
12x2,5 re	24,8	861,0	1000	100	40	32

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CROSS-SECTION (MM <sup>2</sup> )	OUTER SHEATH NOMINAL THICKNESS (MM)	NET WEIGHT KG/KM	LENGTH OF CABLE PER DRUM (M)	DRUM TYPE	CURRENT CARRYING CAPACITY	
					ON EARTH (A)	ON AIR (A)
3x10	16	485,9	1000	90	86	73
3x16	18	686,4	1000	100	111	96
3x25	21	1025,0	1000	120	143	130
3x35	23,5	1342,2	1000	130	173	160
3x50	27	1778,9	1000	140	205	195
3x70	30	2473,3	1000	150	252	247
3x16+10	19	829,7	1000	100	111	96
3x25+16	22,5	1229,2	1000	120	143	130
3x35+16	24	1534,6	1000	130	173	160
3x50+25	28	2096,9	1000	130	205	195
3x70+35	32	2898,1	1000	150	252	247
3x95+50	35	3014,0	1000	180	258	251
3x120+70	41	5006,0	1000	190	346	355
3x150+70	42	5927,4	500	170	390	407
3x185+95	49	6303,9	500	180	441	469
3x240+120	55	6792,8	500	180	511	551
4x1,5 re	12	183,6	1000	70	30	24
4x2,5 re	12,5	234,7	1000	80	40	32
4x6 re	14,5	406,4	1000	90	64	53
4x10	20	1150,0	1000	120	86	73
4x25	23	1296,5	1000	120	143	130
4x35	26	1710,7	1000	130	173	160
4x50	29	2283,5	1000	150	205	195
4x70	33	2587,0	1000	180	252	247
4x95	38	4285,5	1000	180	303	305
4x150	47	6652,9	500	170	390	407
4x185	55	9205,0	500	180	441	469
5x10	19	739,5	1000	100	86	73
5x16	22	1063,2	1000	120	111	96
5x25	26	1595,9	1000	130	143	130
5x35	28	2112,1	1000	140	173	160