HMH-JZ, -OZ 0,6/1kV

Adapted to DIN VDE 0285, DIN EN 50525

HFFR insulated and HFFR sheathed flexible, halogen-free, extremely fire-resistant control cable

Construction:

Conductors:	annealed copper flexible conductor, class 5 acc. to DIN VDE 0295
Insulation:	special halogen-free compound
Core identification:	**-JZ:** one core green-yellow, all other cores black with continuous white numbering to DIN VDE 0293 **-OZ:** all cores black with continuous white numbering to DIN VDE 0293
Outer sheath:	special halogen-free compound
Colour of outer sheath:	black RAL 9005

Characteristic:

Nominal Voltage:	600/1000 V
Test voltage 50Hz:	4000 V
Temperature range:	flexing: -15°C to +70°C fixed: -40°C to +70°C
Minimum bending radius:	free movement: 15 x cable ∅ fixed installation: 7 x cable ∅
Flame propagation:	acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
Standard length cable packing:	500 m or 1000 m on drums. Other forms of packing and delivery are available on request.

Application:

Halogen-free, flame retardant cables are used as measuring and control cables in machine tools, conveyor belts, production lines as well as in plant installations. For fixed or flexible applications with medium mechanical strain. Suitable for the application in dry, damp and wet rooms and also for laying on, in and under plaster as well as in concrete and masonry excluding in direct laying in shaked or stamped concrete, not suitable for imbedding in solidified or compressed concrete.

Number and nominal cross-sectional area of conductors	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
n x mm²	**mm**	**kg/km**	**kg/km**
2 x 0,5	6,3	9,6	57,0
3 x 0,5	6,6	14,4	69,0
4 x 0,5	7,2	19,0	104,0
5 x 0,5	8,0	24,0	121,0
7 x 0,5	8,7	33,6	145,0
10 x 0,5	10,3	48,0	186,0
12 x 0,5	11,2	58,0	224,0
18 x 0,5	13,8	86,0	292,0
25 x 0,5	16,1	120,0	357,0
2 x 0,75	6,6	14,4	68,0

3	x	0,75	6,9	21,6	77,0
4	x	0,75	7,5	29,0	136,0
5	x	0,75	8,4	36,0	152,0
7	x	0,75	9,3	50,0	208,0
10	x	0,75	11,4	72,0	250,0
12	x	0,75	12,2	86,0	271,0
18	x	0,75	14,5	130,0	387,0
25	x	0,75	17,2	180,0	498,0
2	x	1	7,0	19,2	82,0
3	x	1	7,4	29,0	99,0
4	x	1	8,2	38,4	140,0
5	x	1	9,2	48,0	160,0
7	x	1	9,9	67,0	217,0
10	x	1	11,9	96,0	271,0
12	x	1	12,8	115,0	301,0
18	x	1	15,7	173,0	417,0
25	x	1	18,6	240,0	576,0
2	x	1,5	8,2	29,0	97,0
3	x	1,5	8,6	43,0	119,0
4	x	1,5	9,6	58,0	148,0
5	x	1,5	10,7	72,0	172,0
7	x	1,5	11,6	101,0	243,0
10	x	1,5	15,2	144,0	311,0
12	x	1,5	15,5	173,0	392,0
18	x	1,5	18,6	259,0	529,0
25	x	1,5	22,5	360,0	741,0
2	x	2,5	9,6	48,0	160,0
3	x	2,5	10,1	72,0	177,0
4	x	2,5	11,2	96,0	209,0
5	x	2,5	12,5	120,0	272,0
7	x	2,5	13,8	168,0	340,0
10	x	2,5	16,6	288,0	561,0
12	x	2,5	18,3	432,0	799,0
18	x	2,5	22,0	480,0	940,0
25	x	2,5	26,2	600,0	1121,0
3	x	4	11,7	115,0	255,0
4	x	4	12,9	154,0	319,0
5	x	4	14,4	192,0	423,0
3	x	6	13,1	173,0	380,0
4	x	6	14,5	230,0	441,0
5	x	6	16,2	288,0	657,0
3	x	10	16,8	288,0	668,0
4	x	10	18,5	384,0	796,0
5	x	10	20,5	480,0	972,0
3	x	16	20,2	461,0	832,0
4	x	16	22,4	614,0	1122,0
5	x	16	25,0	768,0	1604,0
3	x	25	24,8	720,0	1457,0
4	x	25	27,4	960,0	1611,0
5	x	25	30,5	1200,0	2070,0
3	x	35	27,4	1008,0	1914,0
4	x	35	30,3	1344,0	2424,0
5	x	35	33,6	1680,0	2970,0
4	x	50	35,8	1920,0	3467,0