ttcables
ELECTRIC CABLE WORKS

HMH (Eca)

Halogen-free installation cables 300/500 V

APPLICATION

Where halogen-free and environmentally friendly cables are required. For fixed installation in dry and wet rooms and outside as well as in the open air. Can be laid in the ground. May be bricked in and embedded directly. Not suitable for embedment in vibrated concrete. Conductor insulation must be protected against light exposure. Installation to be performed by a licensed electrician only.

TECHNICAL CHARACTERISTICS

CPR class: Eca
Test voltage: 2000 V (4000 V for 4 mm2 and up)
Rated voltage: 300/500 V (0,6/1 kV for 4 mm^2 and up)
Bending radius (min): 10D
Cable laying temp.:-15°C do +50°C
Max. conductor temperature: 90°C
Max. short-circuit temperature: 250°C

CONSTRUCTION

Conductors: Cu, class1 or 2 according to EN 60228
Insulation: XLPE halogen – free compound
Bedding: Extruded halogen-free polymer or sheath as filler
Sheath: HFFR compound

STANDARD

DIN VDE 0250-215

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:
Single-core: Green/Yellow OR Black
2-core: Brown Blue
3-core (a): Green/Yellow Brown Blue
3-core (b): Black Brown Grey
4-core (a): Green/Yellow Brown Black Grey
4-core (b): Blue Brown Black Grey
5-core: Green/Yellow Blue Brown Black Grey

Outer Sheath Colour:
Grey
Other colours available on request

CERTIFICATION

RoHS compliant
REACH COMPLIANT
IEC International Electrotechnical Commission
CPR

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NOMINAL CROSS-SECTION)	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm²	Ω/km	A	A	mm	kg/km	kg/km
1x4 RE	4,61	42	36	6,0	**38,4**	74
1x6 RE	3,08	54	44	6,5	57,6	98
1x10 RM	1,830	75	58	7,7	96,0	143
1x16 RM	1,150	100	75	8,7	153,6	210
2x1,5 RE	12,10	23	21	8,2	28,8	90
2x2,5 RE	7,41	32	28	9,0	48,0	120
2x4 RE	4,61	42	36	10,0	76,8	182
2x6 RE	3,08	54	44	11,4	115,2	240
3x1,5 RE	12,10	23	21	7,2	43,2	86
3x2,5 RE	7,41	32	28	8,4	72,0	122
3x4 RE	4,61	42	36	10,6	115,2	190
3x6 RE	3,08	54	44	12,1	172,8	259
4x1,5 RE	12,10	23	21	8,6	57,6	102
4x2,5 RE	7,41	32	28	9,5	96,0	145
4x4 RE	4,61	42	36	11,4	153,6	218
4x6 RE	3,08	54	44	12,5	230,4	299
4x10 RM	1,830	75	58	15,1	384,0	476
4x16 RM	1,150	100	75	17,7	614,4	710
5x1,5 RE	12,10	23	21	9,3	72,0	122
5x2,5 RE	7,41	32	28	10,1	120,0	174
5x4 RE	4,61	42	36	12,3	192,0	264
5x6 RE	3,08	54	44	13,7	288,0	365
5x10 RM	1,830	75	58	16,9	480,0	583
5x16 RM	1,150	100	75	19,3	768,0	873
7x1,5 RE	12,10	23	21	11,8	100,8	153
7x2,5 RE	7,41	32	28	13,4	168,0	234
12x1,5 RE	12,10	23	21	15,0	172,8	291
12x2,5 RE	7,41	32	28	17,1	288,0	440