



HMH

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.

CONSTRUCTION

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

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

TECHNICAL CHARACTERISTICS

CPR class: Eca
 Test voltage: 2000 V
 Rated voltage: 300/500 V
 Bending radius (min): 10D
 Cable laying temp.: -15°C do +50°C
 Max. conductor temperature: 90°C
 Max. short-circuit temperature: 250°C

STANDARD

DIN VDE 0250-215

CERTIFICATION



NOMINAL CROSS-SECTION)	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
1x4	4,61	42	36	6,3	38,4	74
1x6	3,08	54	44	6,8	57,6	98
1x10	1,830	75	58	7,7	96,0	143
1x16	1,150	100	75	8,7	153,6	210
2x1,5	12,10	23	21	8,2	28,8	90
2x2,5	7,41	32	28	9,0	48,0	120
2x4	4,61	42	36	10,0	76,8	182
2x6	3,08	54	44	11,4	115,2	240
3x1,5	12,10	23	21	7,2	43,2	110
3x2,5	7,41	32	28	8,4	72,0	151
3x4	4,61	42	36	10,6	115,2	230
3x6	3,08	54	44	12,1	172,8	308
4x1,5	12,10	23	21	9,4	57,6	132
4x2,5	7,41	32	28	10,3	96,0	183
4x4	4,61	42	36	12,0	153,6	292
4x6	3,08	54	44	13,2	230,4	380
4x10	1,830	75	58	15,1	384,0	564
4x16	1,150	100	75	17,7	614,4	875
5x1,5	12,10	23	21	9,0	72,0	154
5x2,5	7,41	32	28	10,1	120,0	216
5x4	4,61	42	36	13,0	192,0	344
5x6	3,08	54	44	14,3	288,0	452
5x10	1,830	75	58	16,5	480,0	677
5x16	1,150	100	75	19,3	768,0	1053
7x1,5	12,10	23	21	11,8	100,8	185
7x2,5	7,41	32	28	13,4	168,0	277
12x1,5	12,10	23	21	15,0	172,8	291
12x2,5	7,41	32	28	17,1	288,0	440