



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, class 1 or 2 according to EN 60228
Insulation: XLPE halogen – free compound
Bedding: Extruded halogen-free polymer or sheath as filler
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 (4000 V for 4 mm² and up)

Rated voltage: 300/500 V (0,6/1 kV for 4 mm² 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

STANDARD

DIN VDE 0250-215

CERTIFICATION



International
Electrotechnical
Commission



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 RE	4,61	42	36	6,3	38,4	74
1x6 RE	3,08	54	44	6,8	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	110
3x2,5 RE	7,41	32	28	8,4	72,0	151
3x4 RE	4,61	42	36	10,6	115,2	230
3x6 RE	3,08	54	44	12,1	172,8	308
4x1,5 RE	12,10	23	21	9,4	57,6	132
4x2,5 RE	7,41	32	28	10,3	96,0	183
4x4 RE	4,61	42	36	12,0	153,6	292
4x6 RE	3,08	54	44	13,2	230,4	380
4x10 RM	1,830	75	58	15,1	384,0	564
4x16 RM	1,150	100	75	17,7	614,4	875
5x1,5 RE	12,10	23	21	9,0	72,0	154
5x2,5 RE	7,41	32	28	10,1	120,0	216
5x4 RE	4,61	42	36	13,0	192,0	344
5x6 RE	3,08	54	44	14,3	288,0	452
5x10 RM	1,830	75	58	16,5	480,0	677
5x16 RM	1,150	100	75	19,3	768,0	1053
7x1,5 RE	12,10	23	21	11,8	100,8	185
7x2,5 RE	7,41	32	28	13,4	168,0	277
12x1,5 RE	12,10	23	21	15,0	172,8	291
12x2,5 RE	7,41	32	28	17,1	288,0	440