



HMH

Halogen-free installation cables

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 (1,5 – 4 mm²)

Class 2 (> 4 mm²) according to EN 60228

Insulation: XLPE halogen – free compound

Bedding: 1,5–2,5 mm²–filling sheath
> 4 mm²–EPDM rubber

Sheath: Gray HFFR compound, UV resistant

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

5-core:  Green/Yellow  Blue  Brown  Black  Grey

Outer Sheath Colour:

● Black

Other colours available on request

TECHNICAL CHARACTERISTICS

Rated voltage: 1,5-2,5 mm² 300/500 V
4 – 16 mm² 0,6/1 kV

Test voltage: 1,5-2,5 mm², 2000 V
4-16 mm², 4000 V

Temp. for cable laying: -15°C do +50°C

Max. working temperature: 90°C

Max. short-circuit temperature: 250°C

Min. bending radius: 10 D

Smoke density: EN 61034-2

Flame retardant: EN 60332-1-2

Halogen free: EN 60754-1/2

CPR class (EN 13501-6): Dca – s1,d2,a1

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.)	CU WEIGHT	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
5G4	4,61	42	36	11,0	192,0	382

