

MKEM-HF / H07Z1-K

Installationwire-HF

450/750 V

Application

Installation wire for fixed installations indoors. For internal wiring of electrical devices. The conductor insulation must be protected against UV-radiation. The cable is halogen-free and flame-retardant according to CPR-class Dca-s2,d2,a2.

Design

Standards	EN 50525-3-31
Reaction to fire	Dca-s2,d2,a2; EN 13501-6, EN 50575:2014+A1:2016
Conductor	Circular flexible copper, EN/IEC 60228 class 5
Insulation	Halogen free polyolefine compound
Core Identification	Yellowgreen Blue Brown Black Grey Red



Temperature limits

Max. conductor temperature °C	70
Max. cond. temp. short circuit max. 5 s °C	160
Min. cable temperature during operation °C	-40
Min. cable temperature during handling °C	-15
Min. cable temperature during transport °C	-40

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Technical information	6 GY H07Z1-K	6 BN H07Z1-K	6 BK H07Z1-K	6 BU H07Z1-K	6 GNYE H07Z1-K
Product code	1145880	1145882	1145883	1145887	1145888
Nominal cross-sectional area of conductor mm ²	6	6	6	6	6
Nominal thickness of insulation mm	0,8	0,8	0,8	0,8	0,8
Fire load MJ/m	0,241	0,241	0,241	0,241	0,241
Fire load kWh/m	0,067	0,067	0,067	0,067	0,067
Nominal cable diameter mm	4,800	4,800	4,800	4,800	4,800
Nominal cable weight kg/km	60,859	60,859	60,859	60,859	60,859
Nominal weight of copper kg/m	0,045	0,045	0,045	0,045	0,045
Maximum forces during installation when pulling by					
Max. pulling force by pulling-eye kN	0,3	0,3	0,3	0,3	0,3
Max. pulling force by pulling-stocking kN					
Minimum bending radii					
Minimum bending radius, handling mm	38	38	38	38	38
Minimum bending radius, final bending mm	14	14	14	14	14
Minimum bending radii					
During handling and installation, cable cm	4	4	4	4	4
In final installation, cable cm	1	1	1	1	1
DC resistance					
Max. DC resistance of conductor at 20 °C Ω/km	3,08	3,08	3,08	3,08	3,08