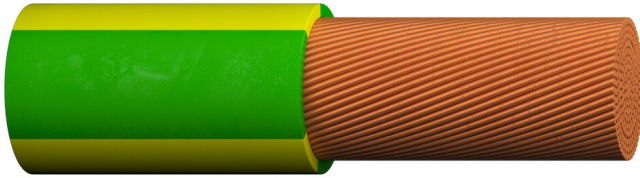


## MKEM-HF 10 GRYE

Plastic insulated heat resistant stranded flexible conductor



### APPLICATION

For fixed installation in a conduit, and for fixed internal wiring in appliances, switch gear and control gear with a maximum voltage of 1000 V (AC) or 750 V (DC) to earth.

### CERTIFICATIONS AND DESIGN STANDARDS

<b>EN 60228</b>	Conductor standard
<b>EN 50525-1</b>	Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)
<b>EN 50525-3-31</b>	Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission of smoke
<b>EN 60332-1-2</b>	Vertical flame propagation for a single insulated wire or cable
<b>EN 60332-3</b>	Tests on electric and optical fibre cables under fire conditions. Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables.
<b>EN 50575:2014/A1:2016</b>	Cables for general applications in construction works subject to reaction to fire requirements
<b>IEC 60754</b>	Corrosive gases
<b>IEC 61034</b>	Smoke density

### DESIGN

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Halogenfree polymer
Rated voltage U0/U (Um)	450/750 V
Max. conductor temperature [°C]	70
Permitted cable outer temperature after assembling without vibration (min) [°C]	-40
UV resistant	No
Permitted cable outer temperature during assembling/handling (min) [°C]	-25
Bending radius (rule)	8x OD
Reaction-to-fire class (acc. EN 13501-6)	Cca
Smoke development class (acc. EN 13501-6)	s1
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1
Flame retardant	In accordance with EN 13501-6

## MECHANICAL AND ELECTRICAL DATA

Nominal cross section conductor [mm²]	10
Conductor category	Class 5 = flexible
Core colour	Green/yellow
Cable weight [kg/km]	110
Nominal outer diameter [mm]	7
Min. final single bending radius [mm]	25
Conductor resistance at 20° C [Ohm/km]	1.91
Current carrying capacity [A]	41
DOP number	1003397

Current load, Installation method A1 (e.g. inside insulated wall), air 25°C

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
MKEM-HF C-PRO 10 KEVI R100	6410004062630	Coil	100
MKEM-HF C-PRO 10 KEVI K6M/1000	6410004062661	Drum	1,000