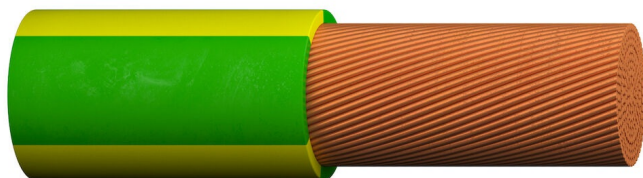


MKEM-HF 6 GRYE

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

EN 60228	Conductor standard
EN 50525-1	Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)
EN 50525-3-31	Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission of smoke
EN 60332-1-2	Vertical flame propagation for a single insulated wire or cable
EN 60332-3	Tests on electric and optical fibre cables under fire conditions. Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables.
EN 50575:2014/A1:2016	Cables for general applications in construction works subject to reaction to fire requirements
IEC 60754	Corrosive gases
IEC 61034	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 [mm ²]	6
Conductor category	Class 5 = flexible
Core colour	Green/yellow
Cable weight [kg/km]	65
Nominal outer diameter [mm]	5
Min. final single bending radius [mm]	15
Conductor resistance at 20° C [Ohm/km]	3.3
Current carrying capacity [A]	31
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 6 KEVI R100	6410004062531	Coil	100
MKEM-HF C-PRO 6 KEVI PK500	6410004062609	Bobbin	500