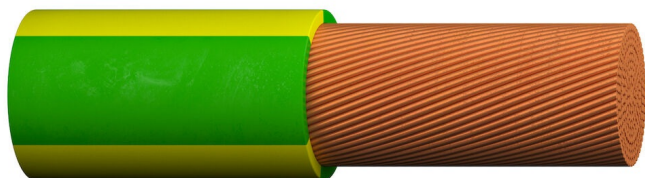


## MKEM 90 16 GRYE

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 50525-2-31</b>	Single core non-sheathed cables with thermoplastic PVC insulation
<b>EN 60332-1-2</b>	Vertical flame propagation for a single insulated wire or cable
<b>EN 50575:2014/A1:2016</b>	Cables for general applications in construction works subject to reaction to fire requirements

### DESIGN

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Polyvinyl chloride (PVC)
Max. conductor temperature [°C]	90
Permitted cable outer temperature after assembling without vibration (min) [°C]	-40
UV resistant	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-25
Bending radius (rule)	8x OD
Reaction-to-fire class (acc. EN 13501-6)	Eca
Flame retardant	In accordance with EN 13501-6

## MECHANICAL AND ELECTRICAL DATA

Nominal cross section conductor [mm <sup>2</sup> ]	16
Conductor category	Class 5 = flexible
Core colour	Green/yellow
Cable weight [kg/km]	160
Nominal outer diameter [mm]	8
Min. final single bending radius [mm]	25
Conductor resistance at 20° C [Ohm/km]	1.21
Current carrying capacity [A]	55
DOP number	1000831

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

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
MKEM 90 16 KEVI R100 ECA	6410004032084	Coil	100