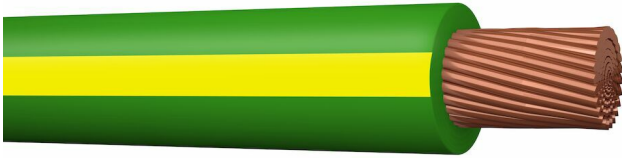


MKEM 90 10 GRYE

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

EN 60228

Conductor standard

EN 50525-1

Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)

EN 50525-2-31

Single core non-sheathed cables with thermoplastic PVC insulation

EN 60332-1-2

Vertical flame propagation for a single insulated wire or cable

EN 50575:2014/A1:2016

Cables for general applications in construction works subject to reaction to fire requirements

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 ²]	10
Core colour	Green/yellow
Nominal outer diameter [mm]	7
Current carrying capacity [A]	41
Conductor resistance at 20° C [Ohm/km]	1.91
Cable weight [kg/km]	110
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 10 KEVI R100 ECA	6410004031889	Coil	100