

FIRE RESISTANT CABLES

FG4OHMI PH30 FE180 100/100 V C-4 U₀ 400 V

acc. to CEI-UNEL 36762



ELETTROTEK KABEL® FG4OHMI PH30 FE180 - C-4 U₀ 400 V



Construction:

Conductor:	flexible plain annealed copper conductor Cl. 5, acc. to IEC 60228
Insulation:	silicone rubber compound
Colour cores:	red + black
Stranding:	in layers
Wrapping:	PET tape
Screen:	electrostatic screen of plastic and aluminium tape + tinned drain wire
Outer sheath:	red (similar RAL 3000), halogen free compound

Resistance:



Flame retardant and self extinguishing acc. to:
IEC 60332-1-2
DIN VDE 0482 part.266-2-4
EN 50266-2-4
IEC 60332-3-24



Fire resistant acc. to:
IEC 60331-21
EN 50200 PH30



Halogen-free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1
IEC 60754-1 (equivalent DIN VDE 0472 part 815)



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)



Smoke density acc. to:
IEC 61034-1-2,
DIN VDE 0482 part. 268-1-2,
EN 50268-1-2

Technical data:

Nominal voltage:	U ₀ /U 100/100 V
Test voltage:	2 kV
Temperature range:	-30°C up to +90°C
<i>installation:</i>	-5°C up to +60°C
Min. bending radius:	15 x d

Features:

fire warning installation cable

PH30: at 830 °C flame and shock for 30 minutes

FE180: insulation integrity for 180 min. acc. to IEC 60331-21

suitable for installation in a single conduit or channel or bridge, without interposing separators, with cable system of Category I° marked "450/750" or "0,6/1 kV" (as required by CEI-UNEL 36762)

RoHS and CE approval



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km
49160BRM020M05	2X0,5	5,7	9,6	37
49160BRM020M07	2X0,75	6,3	16	49
49160BRM020M10	2X1	6,9	21	61
49160BRM020M15	2X1,5	7,6	28	75
49160BRM020M25	2X2,5	8,9	44	105
49160BRM040M10	4X1	8,1	38,4	96

Other dimensions and colours available on request.