

GAALFIRE 90 0,6/1 kV



ELETTROTEK KABEL® GAALFIRE 90 06/1 kv

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G10
Wrapping:	glass/mica tape, wrapped to helix
Stranding:	wires twisted together in concentric layers, wrapping overlapped polyester tape
Screen:	electrostatic screen of plastic and aluminium tape + tinned drain-wire
Outer sheath:	red (RAL 3000), halogen-free compound type M1

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 40 °C / + 90 °C
Min. bending radius:	12 x d

Resistance:



Flame retardant and self extinguishing acc. to:

IEC 60332-1
DIN VDE 0482 part.266-2-4
EN 50266-2-4
IEC 60332-3-24



Halogen free acc. to:

EN 50267-2-1
IEC 60754-1
DIN VDE 0482 part.267-2-1



low corrosiveness gases and smoke opacity emissions during combustion acc. to:

CEI 20-37, IEC 60754, IEC 61034, CEI 20-38

Features:

Acc. to CEI UNEL 00722-00725

conductor acc. to CEI 20-29, IEC 60228

insulation and sheath acc. to CEI 20-11

compound lead-free acc. to CEI 20-52

insulated cables fire resistant with elastometric compound with nominal voltage $\leq U_0/U$ 0,6/1 kV acc. to CEI 20-45

NoBurn cables with IMQ are marked:

- CEI 20-45 PH 90 (outer diameter up to 20 mm) they are fire-resistant complying with CEI 20-36/4-0 (EN50200) regulation, which requires a minimum working time of the cables during the test, that is the cable has to be exposed to direct fire and mechanic shock for 90 minutes at 842 °C.

NoBurn are also "no flame propagation on the single vertical element" cables, complying with CEI 20-35 (EN and IEC 60332-1) test.

Moreover, the cables are made with special "without halogen" blends complying with CEI and CENELEC regulation, in order to prevent any risk coming from any toxic substance issued during the combustion.

That characteristic is verified by many laboratory tests at IMQ and it limits the issue of corrosive, acid and toxic gas and the formation of murky smoke in the surrounding ambient in case of fire.

NoBurn cables are made complying with CEI 20-45 regulation and they are not included in CEI 20-38 1. However, they have equivalent prescriptions about the test regarding the formation of toxic and corrosive smoke and gas.

Applications:

screened cable for power, signaling and control elastometric isolated compound fire retardant, LSOH, with flexible wires protected by fire resistant barrier suitable for the 'power users' emergency areas with danger of explosion or fire (exits and emergency lighting, Alarm signals, warning of smoke or gases, escalators, pumps, fire protection, fire curtains, etc.).

SECURITY CABLES

GAALFIRE 90 06/I kV



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	AWG no. *)
49070GR3020M10	2x1	7,9	24	67	18
49070GR3030M10	3x1	8,2	33,6	85	18
49070GR3040M10	4x1	9,4	43,2	110	18
49070GR3020M15	2x1,5	8,9	33,6	86	16
49070GR3030M15	3x1,5	9,4	48	113	16
49070GR3040M15	4x1,5	10,5	62,4	141	16
49070GR3020M25	2x2,5	10,4	52,8	120	14
49070GR3030M25	3x2,5	10,9	76,8	158	14
49070GR3040M25	4x2,5	12,4	100,8	205	14
49070GR1071M10	7G1	11,5	72	175	18
49070GR1071M15	7G1,5	12,9	105,6	228	16

Other dimensions and colours available on request.