

## GAMAFLEX-JZ BLACK 0,6/1 kV COLD



### Application

The cables are used in control and power chains in tool machinery, conveyor and transportation belts, production lines and control automation equipment for rated voltage 0,6/1kV.

The cables are suitable for installation at low temperatures, for fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load. The cables use in dry, moist and wet environments in normal mechanical stresses as well as outside considering the temperature range. The black, special PVC outer sheath is UV resistant. They are not suitable for direct burial.

### Technical data

- according to the technical specification of Gamakabel, adapted to HD 21.13
- nominal voltage  $U_0/U = 0,6/1$  kV
- test voltage 4000 V
- conductor temperature - max.  $+70^{\circ}\text{C}$
- permissible conductor temperature at short circuit for 5s max.  $+160^{\circ}\text{C}$
- insulation resistance at  $70^{\circ}\text{C}$ : min 20  $\text{G}\Omega \times \text{cm}$
- temperature range:
  - occasional flexing:  $-25^{\circ}\text{C}^{**}$  to  $+70^{\circ}\text{C}$ ;
  - fixed installation:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

bending test, impact resistance test at low temperatures, elongation test at low temperatures

- minimum temperature during installation:  $-15^{\circ}\text{C}$
- minimum bending radius:
  - occasional flexing - 15 D;
  - fixed installation - 4 D (D - outer cable diameter)

diameter)

- flame test - flame retardant according IEC 332-1
- black, UV resistant

### Cable design

- copper conductors class 5 according IEC 60 228
- insulation - PVC compound type T14 according HD 21.1
- core identification - all cores black with imprinted numbers according EN 50334 and yellow/green core according EN 27 S1(IEC 60173)
- outer sheath - PVC compound type TM4 according HD 21.1
- outer sheath colour - black

Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight
No x mm <sup>2</sup>	mm	kg/km	kg/km
6 x 6,0	18,4	346	592
7 x 6,0	18,4	403	625
6 x 10,0	21,2	676	860
7 x 10,0	21,2	672	967