

## GAALFLEX® VFD 1100

Inverter, connection to frequency converters, 0,6/1 kV

**New  
Version!**

ELETTROTEK KABEL® GAALFLEX® VFD 1100



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	GAALTHERM® 530
<b>Cores color:</b>	acc. to DIN VDE 0293-308, HD 308 S2 3 phase cores: brown-black-gray
<b>Stranding:</b>	in layers
<b>Inner sheath:</b>	GAALTHERM® 525, if any
<b>Screen:</b>	aluminium tape (100% covering), red copper braid of the same section as the phase conductor (for sections up to 16 mm <sup>2</sup> ) or equal to half phase conductor, with a minimum of 16 mm <sup>2</sup> (for section greater than 25 mm <sup>2</sup> )
<b>Outer Sheath:</b>	grey (similar RAL 7035), GAALTHERM® 525

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0,6/1 kV
<b>Test voltage:</b>	4 kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 15 °C up to + 90 °C
<i>Flexible installation:</i>	- 0 °C up to + 90 °C
<b>Max. temperature on conductor:</b>	+ 90°C
<b>Max. temperature in short circuit:</b>	+ 250 °C
<b>Min. bending radius</b>	8 x d

### Resistance:



**Flame retardant acc. to:**  
EN 60332-1-2 CEI 20-22II



**Corrosiveness of conflagration gases acc. to:**  
EN 50267-2-1

### Features:

acc. to IEC 60502-1 and CEI 20-13, CEI-UNEL 35375

suitable for application acc. to EN 55011, DIN VDE 0875 and EN 61800-3

On request is possible:

**GAALFLEX VFD 1000 H 0,6/1 kV, Halogen free Version**

**Outer Sheath:** green, GAALTHERM® 535

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22



Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer Ø Ca. mm ±10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.®)
33170G83030M25	3 x 2,5 + SH	14,4	96	316	14
33170G83030M40	3 x 4 + SH	15,8	154	380	12
33170G83030M60	3 x 6 + SH	17,1	230	456	10
33170G83030M61	3 x 10 + SH	19,3	384	675	8
33170G83030M62	3 x 16 + SH	21,6	614	939	6
33170G83030M63	3 x 25 + SH	25,5	874	1346	4
33170G83030M64	3 x 35 + SH	28,4	1248	1744	2
33170G83030M65	3 x 50 + SH	32,5	1680	2262	1
33170G83030M66	3 x 70 + SH	36,9	2352	3188	2/0
33170G83030M67	3 x 95 + SH	41,3	3216	4309	3/0
33170G83030M68	3 x 120 + SH	45,9	4128	5635	4/0
33170G83030M69	3 x 150 + SH	51,1	4992	6921	250 MCM
33170G83030M70	3 x 185 + SH	56,7	6240	8079	350 MCM
33170G83030M71	3 x 240 + SH	63,4	8604	10639	450 MCM
33170G83030M72	3 x 300 + SH	73,5	10080	13480	550 MCM

Other dimension and colours available on request.