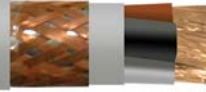


## GAALFLEX® VFD FG7(O)CR

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

ELETTROTEK KABEL® GAALFLEX® VFD FG7(O)CR



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	rubber HEPR compound
<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>	PVC type R2
<b>Screen:</b>	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), special PVC compound

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1, EN 50265-2-1, IEC 60332-1-2, DIN VDE 0482 part 266-2-4, EN 50266-2-4, IEC 60332-3-24

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /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

### 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  
RoHS and CE approval



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.®)
33190G83030M25	3 x 2,5 + SH	14,6	96	340	14
33190G83030M40	3 x 4 +SH	15,8	134	400	12
33190G83030M60	3 x 6 + SH	18,7	231	490	10
33190G83030M61	3 x 10 + SH	21,7	336	720	8
33190G83030M62	3 x 16 + SH	25,3	615	1040	6
33190G83030M63	3 x 25 + SH	28,8	873	1410	4
33190G83030M64	3 x 35 + SH	32,2	1162	1870	2
33190G83030M65	3 x 50 + SH	36	1680	2400	1
33190G83030M66	3x70+SH	40,7	2352	3360	2/0
33190G83030M67	3x95+SH	47,6	3192	4350	3/0
33190G83030M68	3x120+SH	52,2	4032	5540	4/0
33190G83030M69	3x150+SH	56,4	5040	6880	250 MCM
33190G83030M70	3x185+SH	64,8	6216	8350	350 MCM
33190G83030M71	3x240+SH	74,5	8604	11540	450 MCM
33190G83030M72	3x300+SH	85,5	10080	13480	550 MCM

Other dimension and colours available on request.