

# GAALFLEX® VFD CABLES

## GAALFLEX® VFD9YSLCYK-J

Inverter, connection to frequency converters, (UV resistant), 0,6/1 kV



ELETTROTEK KABEL® GAALFLEX® VFD 9YSLCYK-J  
AWM Style 2570 1000 V 80°C VW-1  
c AWM //II A/B 1000 V 80° FT-1



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	PP compound
<b>Cores color:</b>	(9YSLCYK-J) black
<b>Stranding:</b>	in layers
<b>Screen:</b>	aluminium tape + PETP foil and tinned copper braid
<b>Outer Sheath:</b>	transparent, PVC type YM2 or black (similar RAL 9005), 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,  
UL VW-1, CSA FT-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Nominal voltage UL:</b>	1000 V
<b>Test voltage:</b>	4 kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 50 °C up to + 90 °C
<i>Flexible application:</i>	- 5 °C up to + 90 °C
<b>Temperature range UL:</b>	
<i>Fixed laying:</i>	- 40 °C up to + 80 °C
<i>Flexible application:</i>	- 5 °C up to + 80 °C
<b>Min. bending radius</b>	
<i>Single bending:</i>	4 x d
<i>Multiple bending:</i>	20 x d
<b>Insulation resistance:</b>	min. 200 MΩm x km
<b>Transfer impedance at 30 MHz Ω/km:</b>	< 250
<b>Mutual capacitance (4 conductors version):</b>	depending on the cross-section core/core 70 to 250 nF/km core/screen 110 to 410 nF/km

### Features:

USA: acc. to NFPA 79 Ed 08  
UV resistant (9YSLCYK-J)  
outdoor use (9YSLCYK-J)  
acc. to EN 61800-3  
EN VDE 90°C rated PP insulation  
EMC (electromagnetic compatibility)  
interconnection between frequency converter and motor  
used in paper, chemical and heavy industry  
low coupling resistance  
AWM Style 2570 1000 V 80°C VW-1  
c AWM //II A/B 1000 V 80° FT-1  
RoHS and CE approval



### Applications:

these motor power supply cables are flexible and have a special EMC performance due a double screened, low capacitance design. Ideal for frequency converters for variable speed. This cables are suitable in dry damp and wet rooms, Good resistance against acids, caustic solution, oils. Suitable for free, as well as static use, not suitable for continuously moving appliance under tensile load or if during flexing, accompanied by guidance.

