

GAALFLEX® VFD 1000 P

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

ELETTROTEK KABEL® GAALFLEX® VFD 1000 P



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 530
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 phase cores: brown-black-gray
Stranding:	in layers
Screen:	aluminium tape (100% covering), red copper braid of the same section as the phase conductor (for sections up to 16 mm ²) or equal to half phase conductor, with a minimum of 16 mm ² (for section greater than 25 mm ²)
Outer Sheath:	black (similar RAL 9005), special PUR compound

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1,
EN 50265-2-1,
IEC 60332-1-2

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	4 kV
Temperature range	
<i>Fixed laying:</i>	- 50 °C up to + 90 °C
<i>Flexible installation:</i>	- 40 °C up to + 90 °C
Max. temperature on conductor:	+ 90°C
Max. temperature in short circuit:	+ 250 °C
Min. bending radius	8 x d

Features:

UV resistant
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
On request is possible:
GAALFLEX® VFD 1000 PH, Halogen free Version
Insulation: GAALTHERM® 630



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.®)
33160G73030M25	3 x 2,5 + SH	14,6	96	340	14
33160G73030M40	3 x 4 + SH	15,8	134	400	12
33160G73030M60	3 x 6 + SH	18,7	231	490	10
33160G73030M61	3 x 10 + SH	21,7	336	720	8
33160G73030M62	3 x 16 + SH	25,3	615	1040	6
33160G73030M63	3 x 25 + SH	28,8	873	1410	4
33160G73030M64	3 x 35 + SH	32,2	1162	1870	2
33160G73030M65	3 x 50 +SH	36	1680	2400	1
33160G73030M66	3 x 70 + SH	40,7	2352	3360	2/0
33160G73030M67	3 x 95 + SH	47,6	3192	4350	3/0
33160G73030M68	3 x 120 + SH	52,2	4032	5540	4/0
33160G73030M69	3 x 150 + SH	56,4	5040	6880	250 MCM
33160G73030M70	3 x 185 + SH	64,8	6216	8350	350 MCM
33160G73030M71	3 x 240 + SH	74,5	8604	11540	450 MCM
33160G73030M72	3 x 300 + SH	85,5	10080	13480	550 MCM

Other dimension and colours available on request.