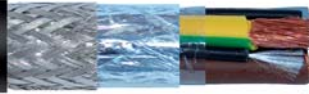


GAALFLEX® VFD CABLES

GAALFLEX® VFD 2YSLCYK-J

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca

ELETTROTEK KABEL® GAALFLEX® VFD 2YSLCYK-J, Eca



ELETTROTEK KABEL® GAALFLEX® VFD 2YSLCYK-J, Eca



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	PE compound
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 conductors + 3 earth conductors: grey, brown, black and green/yellow divided in interstices 4 cores: green/yellow, brown, black, grey
Stranding:	in layers
Screen:	aluminium tape + PETP foil and tinned copper braid
Outer Sheath:	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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	4 kV
Max. operating voltage:	A.C. and 3 phase 0,7/1,2 kV D.C. operation 0,9/1,8 kV
Peak value \hat{U}:	1,7 kV
Temperature range	
<i>Fixed laying:</i>	- 40 °C up to + 70 °C
<i>Flexible installation:</i>	- 5 °C up to + 70 °C
Max. temperature on conductor:	+ 90°C
Max. temperature in short circuit:	+ 250 °C
Min. bending radius:	
<i>Fixed laying:</i>	up to 12 mm: 5 x d > 12 to 20 mm: 7,5 x d > 20 mm: 10 x d
<i>Flexible application:</i>	up to 12 mm: 10 x d > 12 to 20 mm: 15 x d > 20 mm: 2 0 x d
Insulation resistance:	min. 200 MOhm x km
Radiation resistance:	up to 80x10 ⁶ cJ/kg
Coupling resistance:	depending on the cross-section: max. 250 Ohm/km
Mutual capacitance (4 conductors version):	depending on the cross-section core/core 70 to 250 nF/km core/screen 110 to 410 nF/km

Features:

Suitable for Mining applications!

UV resistant
outdoor use
acc. to DIN VDE 0250
EMC (electromagnetic compatibility)
acc. to EN 55011 and DIN VDE 0875 part 11
low mutual capacitance
low coupling resistance
RoHS and CE approval
On request is possible:
2XSLCHK-J Halogen-free Version
Insulation: XLPE special compound. acc. to IEC 60502-4
(max. core temperature + 90°C)
Outer Sheath: special type SHF1 (HM2)
acc. to IEC 60092-353
acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca
classification (CEI UNEL 35016), EN 13501-6



Applications:

suitable for motor power supply for the frequency converters, used in automotive and food industry, packaging industry, machine tools and handling equipment

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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. *)
33020G72041M15	4 G 1,5	11,1	95	226	16
33020G72041M25	4 G 2,5	12,5	150	290	14
33020G72041M40	4 G 4	14,5	235	444	12
33020G72041M60	4 G 6	15,9	320	569	10
33020G72041M61	4 G 10	19,5	533	813	8
33020G72041M62	4 G 16	22,1	789	1195	6
33020G72041M63	4 G 25	25,9	1236	1710	4
33020G72041M64	4 G 35	28,8	1662	2390	2
33020G72041M65	4 G 50	33,7	2345	2867	1
33020G72041M66	4 G 70	38,7	3196	3830	2/0
33020G72041M67	4 G 95	42,9	4316	5023	3/0
33020G72041M68	4 G 120	48,1	5435	6243	4/0
33020G72041M69	4 G 150	54	6394	7015	250 MCM
33020G72041M70	4 G 185	59	7639	8362	350 MCM
33020G72041M71	4 G 240	67	10013	11036	450 MCM
33020G72041M72	4 G 300	71,5	12570	13800	550 MCM
33020G72037M15	3 x 1,5 + 3 G 0,25	10,8	89	195	16 / 22
33020G72037M25	3 x 2,5 + 3 G 0,5	12,2	144	240	14 / 20
33020G72037M40	3 x 4 + 3 G 0,75	13,9	224	373	12 / 19
33020G72037M60	3 x 6 + 3 G 1	15	298	480	10 / 18
33020G72037M61	3 x 10 + 3 G 1,5	18,7	491	650	8 / 16
33020G72037M62	3 x 16 + 3 G 2,5	21,2	723	871	6 / 14
33020G72037M63	3 x 25 + 3 G 4	25,3	1137	1328	4 / 12
33020G72037M64	3 x 35 + 3 G 6	27,7	1535	1799	2 / 10
33020G72037M65	3 x 50 + 3 G 10	32,1	2182	2555	1 / 8
33020G72037M66	3 x 70 + 3 G 10	36,3	2871	3170	2/0 / 8
33020G72037M67	3 x 95 + 3 G 16	40,3	3953	4319	3/0 / 6
33020G72037M68	3 x 120 + 3 G 16	44,7	4836	5154	4/0 / 6
33020G72037M69	3 x 150 + 3 G 25	50	5412	6687	250 MCM / 4
33020G72037M70	3 x 185 + 3 G 35	54,9	7023	8211	350 MCM / 2
33020G72037M71	3 x 240 + 3 G 50	60,8	8808	9733	450 MCM / 1
33020G72037M72	3 x 300 + 3 G 50	69	11050	13450	550 MCM / 1

Other dimension and colours available on request.