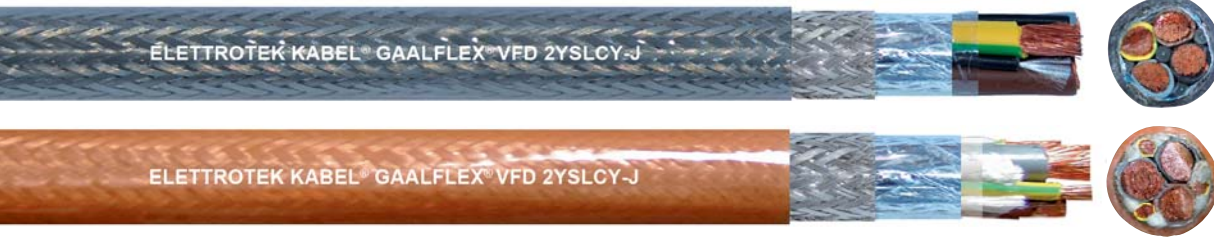


GAALFLEX® VFD 2YSLCY-J

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



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:	transparent, PVC compound (4 conductors), transparent-orange, PVC compound (3 + 3G/Y conductor version)

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 application:</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:

installation in hazardous areas
acc. to DIN VDE 0250
EMC (electromagnetic compatibility)
suitable for application acc. to EN 55011, DIN VDE 0875 and EN 61800-3
low mutual capacitance
low coupling resistance
RoHS and CE approval
On request is possible:
2XSLCH-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



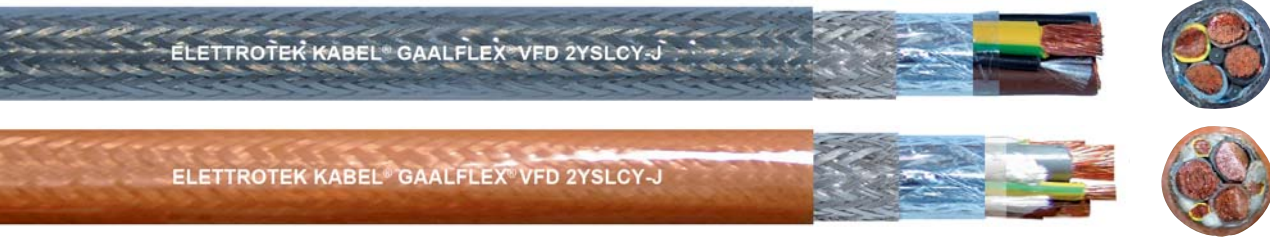
Applications:

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

GAALFLEX® VFD CABLES

GAALFLEX® VFD 2YSLCY-J

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



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. *)
33010GT2041M15	4 G 1,5	11,1	95	226	16
33010GT2041M25	4 G 2,5	12,5	150	290	14
33010GT2041M40	4 G 4	14,2	235	444	12
33010GT2041M60	4 G 6	16	320	569	10
33010GT2041M61	4 G 10	19,5	533	803	8
33010GT2041M62	4 G 16	22	789	1195	6
33010GT2041M63	4 G 25	26	1236	1710	4
33010GT2041M64	4 G 35	28,8	1662	2390	2
33010GT2041M65	4 G 50	33,6	2345	2867	1
33010GT2041M66	4 G 70	38,7	3196	3830	2/0
33010GT2041M67	4 G 95	42,9	4316	5010	3/0
33010GT2041M68	4 G 120	48	5435	6227	4/0
33010GT2041M69	4 G 150	54	6394	7002	250 MCM
33010GT2041M70	4 G 185	59	7639	8347	350 MCM
33010GT2041M71	4 G 240	67	10013	10989	450 MCM
33010GT2041M72	4 G 300	71,5	12570	13800	550 MCM
33010GS2037M15	3 x 1,5 + 3 G 0,25	10,2	89	195	16 / 22
33010GS2037M25	3 x 2,5 + 3 G 0,5	11,5	144	240	14 / 20
33010GS2037M40	3 x 4 + 3 G 0,75	12,9	224	373	12 / 19
33010GS2037M60	3 x 6 + 3 G 1	15	298	480	10 / 18
33010GS2037M61	3 x 10 + 3 G 1,5	18,7	491	650	8 / 16
33010GS2037M62	3 x 16 + 3 G 2,5	21,1	723	871	6 / 14
33010GS2037M63	3 x 25 + 3 G 4	25,2	1138	1328	4 / 12
33010GS2037M64	3 x 35 + 3 G 6	27,7	1535	1799	2 / 10
33010GS2037M65	3 x 50 + 3 G 10	32	2182	2555	1 / 8
33010GS2037M66	3 x 70 + 3 G 10	36,3	2871	3170	2/0 / 8
33010GS2037M67	3 x 95 + 3 G 16	40,2	3953	4319	3/0 / 6
33010GS2037M68	3 x 120 + 3 G 16	44,7	4836	5154	4/0 / 6
33010GS2037M69	3 x 150 + 3 G 25	50	5412	6687	250 MCM / 4
33010GS2037M70	3 x 185 + 3 G 35	55,2	7023	8211	350 MCM / 2
33010GS2037M71	3 x 240 + 3 G 42,5	61,1	8808	9733	450 MCM / 1
33010GS2037M72	3 x 300 + 3 G 50	69	11050	13450	550 MCM / 1

Other dimension and colours available on request.